

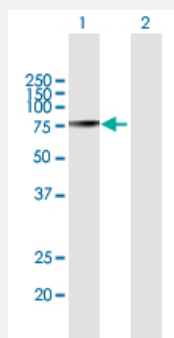
MaxPab®

## F2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00002147-D01

Size 100 uL

### Applications

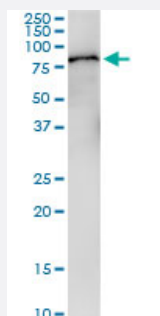


#### Western Blot (Transfected lysate)

Western Blot analysis of F2 expression in transfected 293T cell line ([H00002147-T01](#)) by F2 MaxPab polyclonal antibody.

Lane 1: F2 transfected lysate (70.00 kDa).

Lane 2: Non-transfected lysate.



#### Immunoprecipitation

Immunoprecipitation of F2 transfected lysate using anti-F2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with F2 purified MaxPab mouse polyclonal antibody (B01P) ([H00002147-B01P](#)).

### Specification

#### Product Description

Rabbit polyclonal antibody raised against a full-length human F2 protein.

#### Immunogen

F2 (NP\_000497.1, 1 a.a. ~ 622 a.a) full-length human protein.

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence                | MAHVRGLQLPGCLALAALCSLVHSQHVFLLAPQQARSLLQVRRRANTFLEEVRKGNLERECVEET<br>CSYEEAFEALSSSTATDVFWAKYTACETARTPRDKLAACLEGNCAEGLGTNYRGHVNITRSGIEC<br>QLWRSRYPHKPEINSTTHPGADLQENFCRNPDSSSTTGPWCYTDDPTVRRQEC SIPVCGQDQVTV<br>AMTPRSEGSSVNLSPPLEQCVPDRGQQYQGR LAVTTHGLPCLAWASAAKALSKHQDFNSAV<br>QLVENFCRNPDGDEEGVWCYVAGKPGDFGYCDLNYCEEAVEEETGDGLDEDS DRAIEGRTATS<br>EYQTFFNPRTFGSGEADCGLRPLFEKKSLEDKTERELLESYDGRIVEGSDAEIGMSPWQVMLFR<br>KSPQELLCGASLISDRWVLTAAHCLLYPPWDKNFTENDLLVRIGKHSRTRYERNIEKISMLEKIMHP<br>RYNWRENLD RDIALMKLKKPVAFSDYHPVCLPDRETAASLLQAGYKGRVTGWGNLKETWTANV<br>GKGQPSVLQVVNLPIVERPVCKDSTRITDNMFCAGYKPDEGKRGDACEGDSGGPFVMKSPFN<br>NRWYQMGIVSWGEGCDRDGKYGFYTHVFRLLKKWIKVIDQFGE |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Buffer          | No additive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Applications

- Western Blot (Transfected lysate)

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Lane 1: F2 transfected lysate(70.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of F2 transfected lysate using anti-F2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with F2 purified MaxPab mouse polyclonal antibody (B01P) ([H00002147-B01P](#)).

[Protocol Download](#)

## Gene Info — F2

|                     |                             |
|---------------------|-----------------------------|
| Entrez GeneID       | <a href="#">2147</a>        |
| GeneBank Accession# | <a href="#">NM_000506</a>   |
| Protein Accession#  | <a href="#">NP_000497.1</a> |
| Gene Name           | F2                          |

|                    |                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | PT                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Description   | coagulation factor II (thrombin)                                                                                                                                                                                                                                                                                                                                       |
| Omim ID            | <a href="#">176930</a>                                                                                                                                                                                                                                                                                                                                                 |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary       | Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia. [provided by RefSeq] |
| Other Designations | coagulation factor II prothrombin B-chain serine protease                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Complement and coagulation cascades](#)
- [Neuroactive ligand-receptor interaction](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Activated Protein C Resistance](#)
- [Acute Disease](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Angina Pectoris](#)
- [Anoxia](#)

- [Antiphospholipid Syndrome](#)
- [Antithrombin III Deficiency](#)
- [Apnea](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Behcet Syndrome](#)
- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Blood Coagulation Disorders](#)
- [Blood Platelet Disorders](#)
- [Body Weight](#)
- [Brain Diseases](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchopulmonary Dysplasia](#)
- [Budd-Chiari Syndrome](#)
- [Cadaver](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)

- [Celiac Disease](#)
- [Central Nervous System Vascular Malformations](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Coagulation Protein Disorders](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Crohn Disease](#)
- [Death](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Ductus Arteriosus](#)
- [Eclampsia](#)
- [Edema](#)
- [Embolism](#)
- [Embryo Loss](#)
- [Epilepsy](#)
- [Epistaxis](#)
- [Escherichia coli Infections](#)
- [Esophageal and Gastric Varices](#)
- [Eye Diseases](#)
- [Factor V Deficiency](#)
- [Factor VII Deficiency](#)
- [Factor XIII Deficiency](#)
- [Familial Mediterranean fever](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)
- [Fetal Diseases](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Foramen Ovale](#)
- [Fractures](#)
- [Gastrointestinal Hemorrhage](#)
- [Gastroschisis](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Genital Neoplasms](#)
- [Glaucoma](#)
- [Glomerulonephritis](#)
- [Glucosephosphate Dehydrogenase Deficiency](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Heart Septal Defects](#)
- [HELLP Syndrome](#)
- [Hematologic Neoplasms](#)
- [Hemiplegia](#)
- [Hemochromatosis](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hemophilia A](#)
- [Hemophilia B](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hepatic Vein Thrombosis](#)
- [Hepatitis C](#)
- [Hypercholesterolemia](#)
- [Hyperhomocysteinemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Infant](#)

- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intracranial Arterial Diseases](#)
- [Intracranial Arteriovenous Malformations](#)
- [Intracranial Embolism](#)
- [Intracranial Embolism and Thrombosis](#)
- [Intracranial Hemorrhages](#)
- [Intracranial Thrombosis](#)
- [Inversion](#)
- [Iron Overload](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Calculi](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Legg-Perthes Disease](#)
- [Leukemia](#)
- [Leukomalacia](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Macular Degeneration](#)
- [Mesenteric Vascular Occlusion](#)



- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Mitral Valve Prolapse](#)
- [Mouth Neoplasms](#)
- [Muscle Hypotonia](#)
- [Musculoskeletal Diseases](#)
- [Myeloproliferative Disorders](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Necrosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Optic Neuropathy](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Overweight](#)
- [Peripheral Vascular Diseases](#)
- [Phlebitis](#)

- [Placenta Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Polycythemia](#)
- [Polycythemia Vera](#)
- [Postoperative Complications](#)
- [Postpartum Hemorrhage](#)
- [Postthrombotic Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Protein C Deficiency](#)
- [Protein Deficiency](#)
- [Protein S Deficiency](#)
- [Pseudotumor Cerebri](#)
- [Puberty](#)
- [Puerperal Disorders](#)
- [Pulmonary Embolism](#)
- [Purpura](#)
- [Recurrence](#)
- [Retinal Artery Occlusion](#)
- [Retinal Vein Occlusion](#)
- [Seizures](#)
- [Sepsis](#)
- [Severe Acute Respiratory Syndrome](#)
- [Sickle Cell Trait](#)
- [Sinus Thrombosis](#)

- [Skin Diseases](#)
- [Splenomegaly](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Tension-Type Headache](#)
- [Thalassemia](#)
- [Thrombasthenia](#)
- [Thromboangiitis Obliterans](#)
- [Thrombocythemia](#)
- [Thrombocytopenia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Thrombotic Microangiopathies](#)
- [Tobacco Use Disorder](#)
- [Trauma](#)
- [Turner Syndrome](#)
- [Upper Extremity Deep Vein Thrombosis](#)
- [Varicose Ulcer](#)
- [Varicose Veins](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Vertebral Artery Dissection](#)
- [von Willebrand Disease](#)

- [Wegener Granulomatosis](#)
- [Werner syndrome](#)