# F7 rabbit monoclonal antibody

Catalog # H00002155-K Size 100 ug x up to 3

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against a human F7 peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human F7 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence. |
| **Host** | Rabbit |
| **Library Construction** | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| **Expression** | Overexpression vector and transfection into 293H cell line. |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody reactive against human F7 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Deliverable** | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| **Note** | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

## Gene Info — F7

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| **Entrez GeneID** | 2155 |
| **GeneBank Accession#** | F7 |
| **Gene Name** | F7 |
| **Gene Alias** | - |
| **Gene Description** | coagulation factor VII (serum prothrombin conversion accelerator) |
| **Omim ID** | 227500 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hem ostasis. This factor circulates in the blood in a zymogen form, and is converted to an active form b y either factor IXa, factor Xa, factor XIIa, or thrombin by minor proteolysis. Upon activation of the fa ctor VII, a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like doma ins are generated, and two chains are held together by a disulfide bond. In the presence of factor I II and calcium ions, the activated factor then further activates the coagulation cascade by convertin g factor IX to factor IXa and/or factor X to factor Xa. Alternative splicing of this gene results in 2 tra nscripts. Defects in this gene can cause coagulopathy. [provided by RefSeq |
| **Other Designations** | FVII coagulation protein\|OTTHUMP00000018733\|OTTHUMP00000018734\|coagulation factor VII\| eptacog alfa |

## Pathway

- Complement and coagulation cascades

## Disease

- Abortion
- Activated Protein C Resistance
- Acute Disease
- Alzheimer disease

- Amyotrophic lateral sclerosis
- Anemia
- Angina
- Angina Pectoris
- Arterial Occlusive Diseases
- Arteriosclerosis
- Atherosclerosis
- Atrial Fibrillation
- Birth Weight
- Blood Coagulation Disorders
- Body Weight
- Brain Ischemia
- Bronchopulmonary Dysplasia
- Budd-Chiari Syndrome
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Chronic Disease
- Connective Tissue Diseases

- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Coronary Thrombosis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Edema
- Factor VII Deficiency
- Factor XIII Deficiency
- Fetal Diseases
- Fetal Membranes
- Genetic Diseases
- Genetic Predisposition to Disease
- Heart Defects
- Hemophilia A
- Hemorrhage
- Hemorrhagic Disease of Newborn
- Hemorrhagic Disorders
- Hepatitis
- Hypercholesterolemia
- Hyperlipidemias
- Hyperlipoproteinemia Type II

- Hypertension
- Infant
- Infection
- Inflammation
- Insulin Resistance
- Intracranial Embolism
- Intracranial Thrombosis
- Ischemic Attack
- Kidney Failure
- Leukomalacia
- Liver Cirrhosis
- Metabolic Syndrome X
- Migraine Disorders
- Musculoskeletal Diseases
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Periodontitis
- Peripheral Vascular Diseases
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Recurrence

- Sepsis
- Skin Diseases
- Stroke
- Subarachnoid Hemorrhage
- Thromboembolism
- Thrombophilia
- Thrombosis
- Venous Thrombosis
- Vitamin K Deficiency
- Werner syndrome