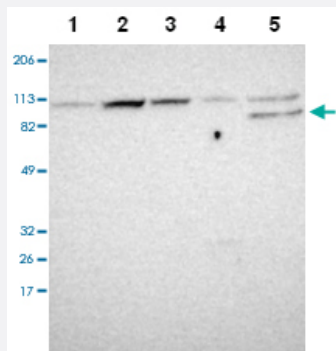


F13A1 polyclonal antibody

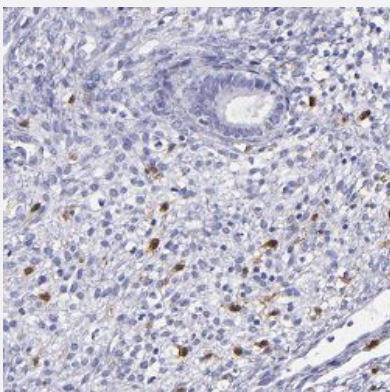
Catalog # PAB28486 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with F13A1 polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human uterine corpus with F13A1 polyclonal antibody (Cat # PAB28486) shows strong cytoplasmic and nuclear positivity in a subset of cells in endometrial stroma.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant F13A1.
Immunogen	Recombinant protein corresponding to amino acids of human F13A1
Sequence	LNVTSVHLFKERWDTNKVDHHTDKYENNKLVRRGQSFYVQIDFSRPYDPRDLFRVEYVIGRYPQ ENKGTYPVPIVSELQSGKWGAKIVMREDRSVRLSIQSSPKCMGKFRMYAVVWTPYGVLRNTP ETDT
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry(1:50-1:200) Western Blot(1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with F13A1 polyclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human uterine corpus with F13A1 polyclonal antibody (Cat # PAB28486) shows strong cytoplasmic and nuclear positivity in a subset of cells in endometrial stroma.

Gene Info — F13A1

Entrez GeneID	2162
Protein Accession#	P00488
Gene Name	F13A1
Gene Alias	F13A
Gene Description	coagulation factor XIII, A1 polypeptide
Omim ID	134570
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. It also crosslinks alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion. [provided by RefSeq]

Other Designations

FSF, A subunit[Transglutaminase]bA525O21.1 (coagulation factor XIII, A1 polypeptide)[coagulation factor XIII A1 subunit][coagulation factor XIII, A polypeptide][factor XIIIa][fibrin stabilizing factor, A subunit][fibrin oligase][protein-glutamine gamma-glutamyltransferase]

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Activated Protein C Resistance](#)
- [Acute Disease](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina Pectoris](#)
- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)

- [Atrial Fibrillation](#)
- [beta-Thalassemia](#)
- [Blood Coagulation Disorders](#)
- [Brain Ischemia](#)
- [Bronchopulmonary Dysplasia](#)
- [Cadaver](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coagulation Protein Disorders](#)
- [Cognition](#)
- [Colitis](#)
- [Conjunctival Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Thrombosis](#)

- [Critical Illness](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Eye Hemorrhage](#)
- [Factor VII Deficiency](#)
- [Factor XIII Deficiency](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Foramen Ovale](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Infant](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)

- [Intracranial Aneurysm](#)
- [Intracranial Embolism](#)
- [Intracranial Hemorrhages](#)
- [Ischemic Attack](#)
- [Kidney Failure](#)
- [Leukomalacia](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Myopia](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Priapism](#)
- [Pulmonary Embolism](#)
- [Purpura](#)

- [Recurrence](#)
- [Sclerosis](#)
- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Thalassemia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Varicose Ulcer](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)