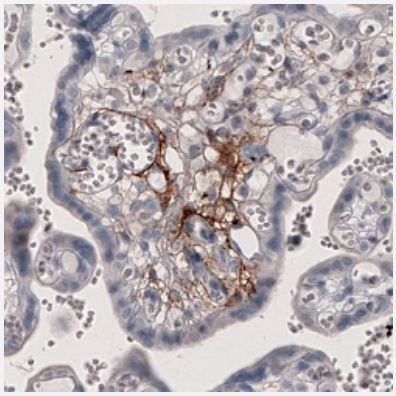
Sm Size

F3 monoclonal antibody, clone CL3805

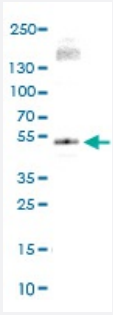
Catalog # MAB15693 Size 25 uL, 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta shows strong immunoreactivity in blood vessels.



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of A-431 cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human F3.
Immunogen	Recombinant protein corresponding to human F3.
Epitope	This antibody binds to an epitope located within the peptide sequence SPEFTPYLET as determined by overlapping synthetic peptides.
Sequence	VKQTYLARVFSYPAGNVESTGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVTVEDER TLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTAKTNTNEFLIDVDKGEN

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Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:500-1:1000) 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 shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta shows strong immunoreactivity in blood vessels.

- Western Blot (Cell lysate)

  Western Blot (Cell lysate) analysis of A-431 cell lysate.

Gene Info — F3

Entrez GeneID	2152
Protein Accession#	P13726
Gene Name	F3
Gene Alias	CD142, TF, TFA
Gene Description	coagulation factor III (thromboplastin, tissue factor)
Omim ID	134390
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. [provided by RefSeq
Other Designations	OTTHUMP00000012426|coagulation factor III|tissue factor

Pathway

- Complement and coagulation cascades

Disease

- Acute Disease
- Alzheimer disease
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Carotid Stenosis
- Chorioamnionitis
- Coronary Thrombosis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Hemorrhage
- Kidney Failure

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- Metabolic Syndrome X
- Myocardial Ischemia
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Postoperative Complications
- Pre-Eclampsia
- Premature Birth
- Renal Insufficiency
- Stroke
- Thrombosis
- Vascular Diseases
- Werner syndrome

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