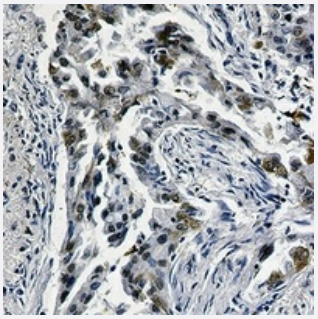
RecomAb™

F3 recombinant monoclonal antibody

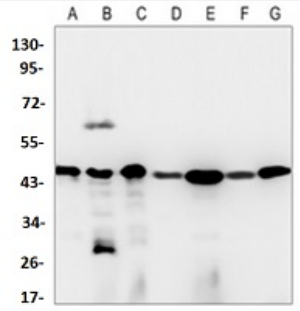
Catalog # RAB02563 Size 100 uL

Applications



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

Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using F3 recombinant monoclonal antibody (Cat # RAB02563). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.88). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blot

Western blot analysis of Hela (A), A549 (B), MCF7 (C), U251 (D), HL60 (E), mouse brain (F), rat brain (G) whole cell lysates with F3 recombinant monoclonal antibody (Cat # RAB02563).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human F3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human F3.
Theoretical MW (kDa)	45
Reactivity	Human, Mouse, Rat

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Specificity	Recognizes endogenous levels of CD142 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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 analysis of human lung cancer formalin fixed paraffin embedded tissue section using F3 recombinant monoclonal antibody (Cat # RAB02563). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.88). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

- Western Blot

  Western blot analysis of Hela (A), A549 (B), MCF7 (C), U251 (D), HL60 (E), mouse brain (F), rat brain (G) whole cell lysates with F3 recombinant monoclonal antibody (Cat # RAB02563).

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)

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Omim ID	134390
Gene Ontology	Hyperlink
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

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- Hemorrhage
- Kidney Failure
- 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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