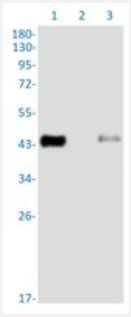
RecomAb™

F3 recombinant monoclonal antibody, clone R01-8E5

Catalog # RAB04431 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HL-60 whole cell lysate and Lane 3: U2OS whole cell lysate with F3 recombinant monoclonal antibody, clone R01-8E5 (Cat # RAB04431).

Immunocytochemistry

Immunocytochemistry staining of SK-OV-3 cells with F3 recombinant monoclonal antibody, clone R01-8E5 (Cat # RAB04431) (green). DAPI was stained the cell nucleus (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human F3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human F3.
Theoretical MW (kDa)	Calculated MW: 33 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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

- Western Blot

  Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HL-60 whole cell lysate and Lane 3: U2OS whole cell lysate with F3 recombinant monoclonal antibody, clone R01-8E5 (Cat # RAB04431).

- Immunohistochemistry

- Immunocytochemistry

  Immunocytochemistry staining of SK-OV-3 cells with F3 recombinant monoclonal antibody, clone R01-8E5 (Cat # RAB04431) (green). DAPI was stained the cell nucleus (blue).

- Immunofluorescence

- Immunoprecipitation

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