Anti-Tissue Factor Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010436

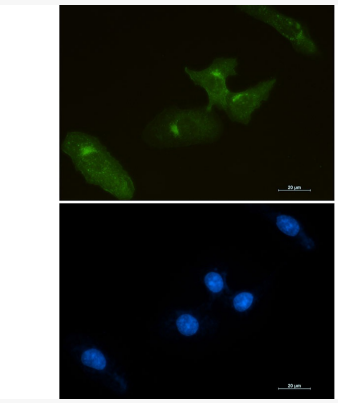
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	83M71K67
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Tissue Factor
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Tissue Factor Rabbit mAb [83M71K67] is for research use only and not for use in diagnostic or therapeutic procedures.

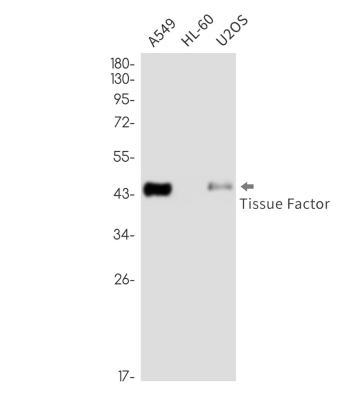
Protein Information

Synonyms	CD142, CD142 antigen, Coagulation factor III (thromboplastin tissue factor), Coagulation factor III, F3, FLJ17960, TF, TF_HUMAN, TFA, Thromboplastin, Tissue factor.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 45 kDa
Uniprot ID	P13726
Gene ID	2152
Background	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. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Cellular Location	Membrane.

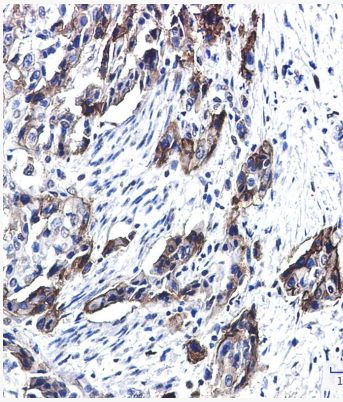
Validation Images



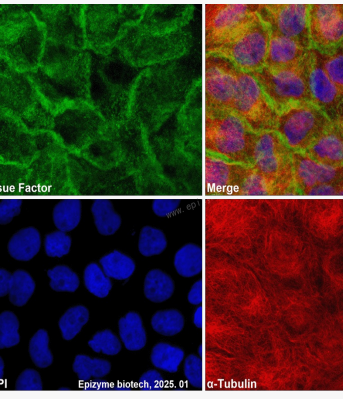
Immunocytochemistry analysis of Tissue Factor (green) in SKOV-3 using Tissue Factor antibody and DAPI (blue) .



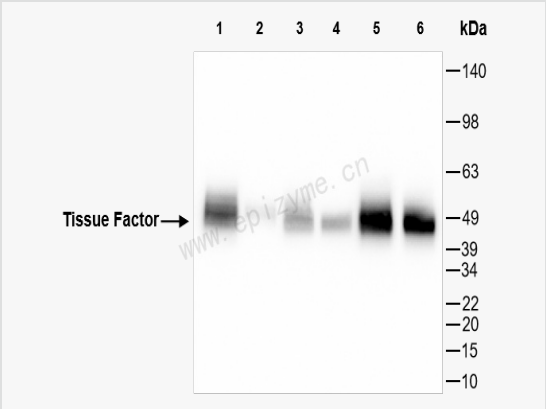
Western blot analysis of Tissue Factor in A549, HL-60, U2OS lysates using Tissue Factor antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Tissue Factor antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence - Anti-Tissue Factor Rabbit mAb [83M71K67]
Sample: A431 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R010436 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-Tissue Factor Rabbit mAb [83M71K67]
All lanes: R010436 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 33 kDa
Observed band size: 45 kDa
Developed using the ECL technique (Cat. No. SQ201).