

Tissue factor Rabbit pAb

Tissue factor Rabbit pAb Catalog # AP52127

Product Information

Application WB, IHC-P, IHC-F, IF

Primary Accession P13726

Reactivity Pig, Human, Mouse, Rabbit, Horse

HostRabbitClonalityPolyclonalCalculated MW33068Physical StateLiquid

Immunogen KLH conjugated synthetic peptide derived from human Tissue factor

Epitope Specificity 32-100/295 **Isotype** IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Isoform 1: Membrane; Single-pass type I membrane protein. Isoform 2:

Secreted.

SIMILARITY Belongs to the tissue factor family.

SUBUNIT Interacts with HSPE; the interaction, inhibited by heparin, promotes the

generation of activated factor X and activates coagulation in the presence of

activated factor VII.

Important NoteThis product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions 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]

Additional Information

Gene ID 2152

Other Names Tissue factor, TF, Coagulation factor III, Thromboplastin, CD142, F3

Target/Specificity Lung, placenta and pancreas.

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name F3

Function Initiates blood coagulation by forming a complex with circulating factor VII

or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface

assembly and propagation of the coagulation protease cascade.

Cellular Location [Isoform 1]: Membrane; Single-pass type I membrane protein

Tissue Location Lung, placenta and pancreas.

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]

References

Scarpati E.M.,et al.Biochemistry 26:5234-5238(1987).

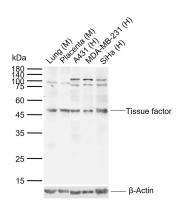
Morrissey J.H.,et al.Cell 50:129-135(1987).

Spicer E.K.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:5148-5152(1987).

Fisher K.L.,et al.Thromb. Res. 48:89-99(1987).

Mackman N.,et al.Biochemistry 28:1755-1762(1989).

Images



Sample:

Lane 1: Mouse Lung tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Human A431 cell lysates

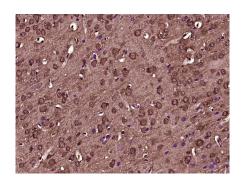
Lane 4: Human MDA-MB-231 cell lysates

Lane 5: Human SiHa cell lysates

Primary: Anti-Tissue factor (AP52127) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000

dilution

Predicted band size: 29 kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tissue factor) Polyclonal Antibody, Unconjugated (AP52127) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.