

Anti-Tissue factor/F3 Antibody

Catalog # ABO12387

Product Information

Application	WB
Primary Accession	P13726
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tissue factor(F3) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2152
Other Names	Tissue factor, TF, Coagulation factor III, Thromboplastin, CD142, F3
Calculated MW	33068
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Isoform 1: Membrane; Single-pass type I membrane protein.
Tissue Specificity	Lung, placenta and pancreas. .
Source	Eukaryota
Protein Name	Tissue factor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human Tissue Factor recombinant protein (Position: S33-S295). Human Tissue Factor shares 57.6% and 57.2% amino acid (aa) sequence identity with mouse and rat Tissue Factor, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing.

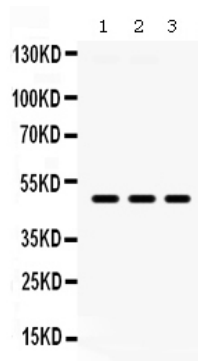
Protein Information

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

Tissue factor also called platelet tissue factor, $\square$ factor III, or $\square$ CD142. 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.

Images



Anti- Tissue Factor Picoband antibody, ABO12387,
Western blottingAll lanes: Anti Tissue Factor (ABO12387)
at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at
50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3:
HEPG2 Whole Cell Lysate at 40ugPredicted bind size:
33KDObserved bind size: 50KD

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