

Anti-Tissue factor/F3 Antibody

Catalog # ABO12388

Product Information

Application	WB
Primary Accession	P20352
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tissue factor(F3) detection. Tested with WB in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	14066
Other Names	Tissue factor, TF, Coagulation factor III, CD142, F3, Cf-3, Cf3
Calculated MW	32935
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Tissue factor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived mouse Tissue Factor recombinant protein (Position: A29-A294). Mouse Tissue Factor shares 62.2% and 82.1% amino acid (aa) sequence identity with human 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
Synonyms	Cf-3, Cf3
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	Membrane {ECO:0000250 UniProtKB:P13726}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:P13726}

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, ABO12388,
Western blottingAll lanes: Anti Tissue Factor (ABO12388)
at 0.5ug/mlWB: Mouse Lung Tissue Lysate at
50ugPredicted bind size: 33KDObserved bind size: 50KD

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