

Anti-Tissue factor/F3 Antibody
Catalog # ABO12387

Specification

Anti-Tissue factor/F3 Antibody - 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.

Anti-Tissue factor/F3 Antibody - Additional Information

Gene ID 2152

Other Names

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

Calculated MW

33068 MW KDa

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. .

Protein Name

Tissue factor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

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.

Anti-Tissue factor/F3 Antibody - 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

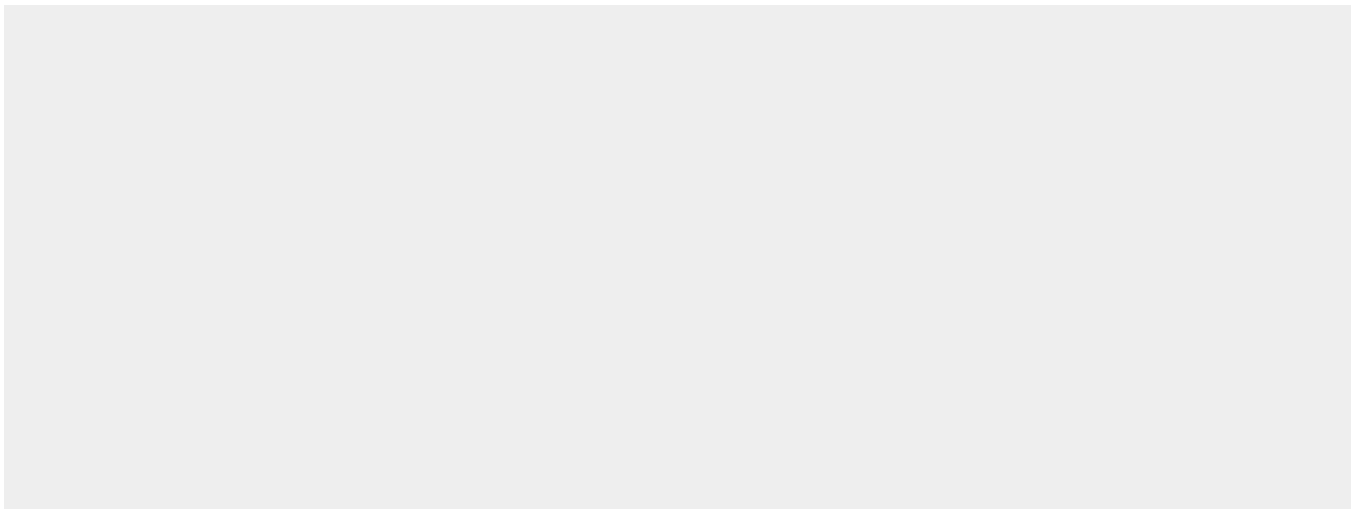
Lung, placenta and pancreas.

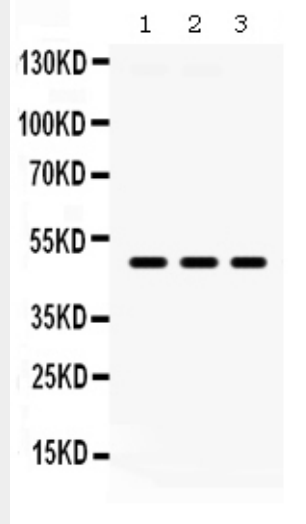
Anti-Tissue factor/F3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Tissue factor/F3 Antibody - Images





Anti- Tissue Factor Picoband antibody, ABO12387, Western blotting All lanes: Anti Tissue Factor (ABO12387) at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 33KD Observed bind size: 50KD

Anti-Tissue factor/F3 Antibody - Background

Tissue factor also called platelet tissue factor, F3 factor III, or 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.