abcam

Product datasheet

Anti-Tissue Factor antibody [EPR18160-175] - BSA and Azide free ab227910

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Tissue Factor antibody [EPR18160-175] - BSA and Azide free
Description	Rabbit monoclonal [EPR18160-175] to Tissue Factor - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse skin and brain tissue lysate; NIH/3T3 whole cell lysate.
General notes	ab227910 is the carrier-free version of **ab189483**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18160-175
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab227910 in the following tested applications.

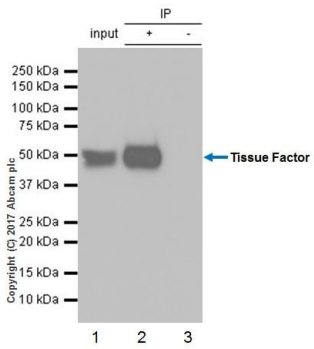
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 33, 47 kDa (predicted molecular weight: 33 kDa).
IP		Use at an assay dependent concentration.

Target

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 protolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.
Sequence similarities	Belongs to the tissue factor family.
Cellular localization	Membrane.

Images



Immunoprecipitation - Anti-Tissue Factor antibody [EPR18160-175] - BSA and Azide free (ab227910)

Tissue Factor was immunoprecipitated from 0.35 mg of mouse brain lysate with **ab189483** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab189483** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: Mouse brain lysate 10 µg (Input).

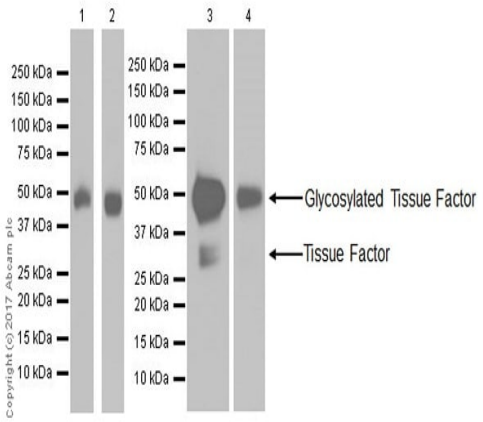
Lane 2: **ab189483** IP in mouse brain lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab1189483** in mouse brain lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 5 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab189483**).



Western blot - Anti-Tissue Factor antibody [EPR18160-175] - BSA and Azide free (ab227910)

All lanes : Anti-Tissue Factor antibody [EPR18160-175] (**ab189483**) at 1/1000 dilution

Lane 1 : Mouse skin tissue lysate
Lane 2 : Mouse brain tissue lysate
Lanes 3-4 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 33 kDa

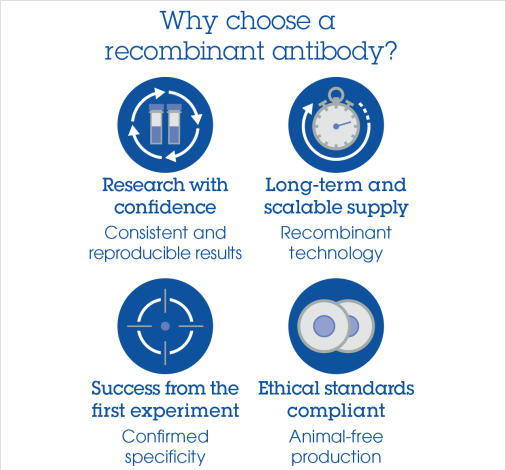
Observed band size: 33, 47 kDa

Blocking/Dilution: 5% NFDM/TBST.

Exposure: Lanes 1 and 3: 3 minutes; Lanes 2 and 4: 10 seconds.

The observed molecular mass is consistent with the literature (PMID: 7992837).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab189483**).



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