

Product datasheet

Anti-TFPI antibody [EPR22977-16] ab260041

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-TFPI antibody [EPR22977-16]
Description	Rabbit monoclonal [EPR22977-16] to TFPI
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human placenta lysate. HepG2, Caco-2, HUVEC and HT-29 lysates. Flow Cyt: HepG2 cells. IP: Human placenta lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22977-16

Isotype

IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab260041 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		1/1000. Predicted molecular weight: 35 kDa.
IP		1/30.
Flow Cyt		1/500.

Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Function Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma.

Tissue specificity Mostly in endothelial cells.

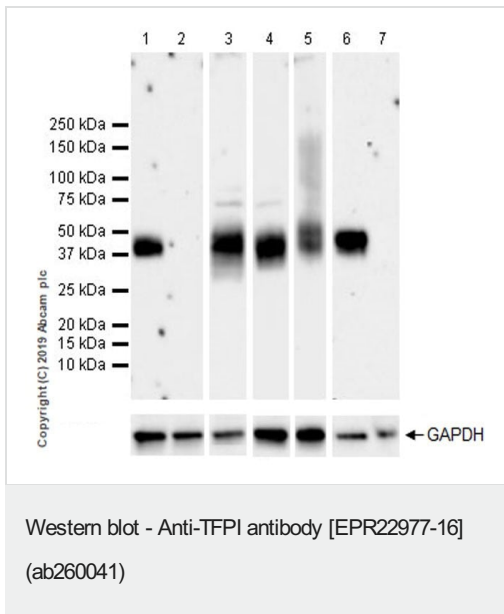
Sequence similarities Contains 3 BPTI/Kunitz inhibitor domains.

Domain This inhibitor contains three inhibitory domains. The first domain interacts with VIIa and TF, the second one with Xa.

Post-translational modifications O-glycosylated.

Cellular localization Secreted.

Images



All lanes : Anti-TFPI antibody [EPR22977-16] (ab260041) at 1/1000 dilution

Lane 1 : Human placenta lysate

Lane 2 : Human colon lysate

Lane 3 : HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate

Lane 4 : Caco-2 (human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lane 5 : HUVEC (human umbilical vein endothelial cell) whole cell lysate

Lane 6 : HT-29 (human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lane 7 : LoVo (human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

Lanes 1-2 : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Lanes 3-7 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 35 kDa

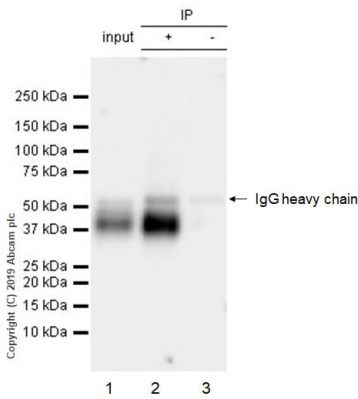
Observed band size: 45,47 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 22144186) .

Negative control: Human colon and LoVo (PMID: 20062932, 9311608).

Exposure times: Lanes 1-2:59 secs; Lane 3:3 secs; Lanes 4-5:15 secs; Lanes 6-7:59 secs.



Immunoprecipitation - Anti-TFPI antibody
[EPR22977-16] (ab260041)

TFPI was immunoprecipitated from 0.35 mg human placenta lysate 10µg with ab260041 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab260041 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

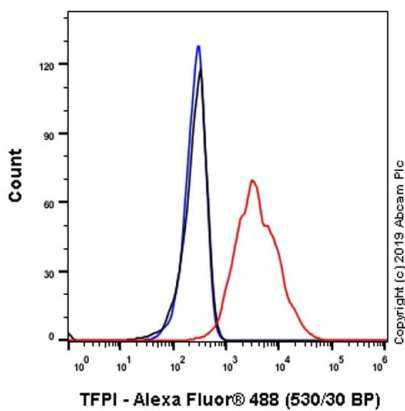
Lane 1: Human placenta lysate 10µg

Lane 2: ab260041 IP in human placenta lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab260041 in human placenta lysate

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

Exposure time: 3 seconds.



Flow Cytometry - Anti-TFPI antibody [EPR22977-16]
(ab260041)

Flow cytometric analysis of HepG2 (human hepatocellular carcinoma epithelial cell) cells labeling TFPI with ab260041 at 1/500 compared with a Rabbit monoclonal IgG ([ab172730](#)) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TFPI antibody [EPR22977-16] (ab260041)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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