

Product datasheet

Anti-TCPTP antibody [EPR6712] ab129070

Recombinant RabMAb

3 Images

Overview

Product name	Anti-TCPTP antibody [EPR6712]
Description	Rabbit monoclonal [EPR6712] to TCPTP
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, WB, IP Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human TCPTP aa 1-100. The exact sequence is proprietary.
Positive control	HL60, NIH 3T3, MOLT4 and HepG2 whole cell lysate (ab7900); Mouse placenta and thymus lysates.
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR6712
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab129070** 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
Flow Cyt		1/200.
WB		1/1000 - 1/10000. Detects a band of approximately 45-48 kDa (predicted molecular weight: 48 kDa).
IP		1/10 - 1/100.

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

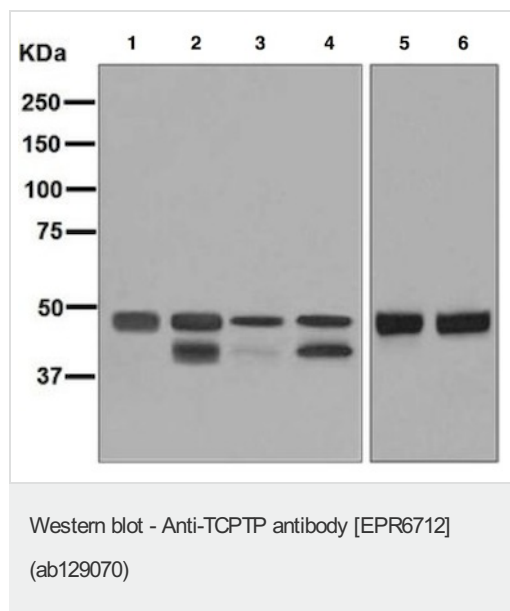
Target

Tissue specificity Isoform PTPA is probably the major isoform. Isoform PTPB is expressed in T-cells and in placenta.

Sequence similarities Belongs to the protein-tyrosine phosphatase family. Non-receptor class 1 subfamily. Contains 1 tyrosine-protein phosphatase domain.

Cellular localization Cytoplasm; Nucleus and Endoplasmic reticulum.

Images



All lanes : Anti-TCPTP antibody [EPR6712] (ab129070) at 1/1000 dilution

Lane 1 : HL60 cell lysate

Lane 2 : NIH 3T3 cell lysate

Lane 3 : Mouse placenta lysate

Lane 4 : Mouse thymus lysate

Lane 5 : MOLT4 cell lysate

Lane 6 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

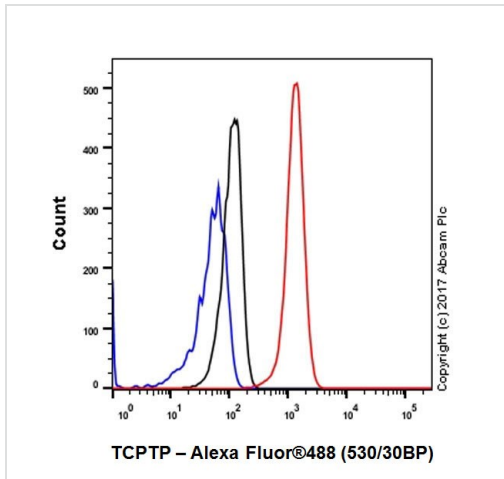
Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 48 kDa

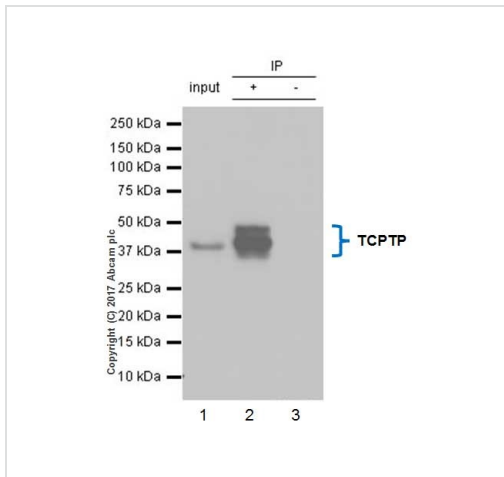
Observed band size: 45-48 kDa

[why is the actual band size different from the predicted?](#)



Flow Cytometry - Anti-TCPTP antibody [EPR6712] (ab129070)

Flow cytometric analysis of MOLT-4 (human lymphoblastic leukemia T lymphoblast) cell line fixed with 4% paraformaldehyde and permeabilized with 90% methanol labeling TCPTP with ab129070 at 1:200 dilution (red). This is compared with a Rabbit monoclonal IgG – Isotype control (ab172730) (black) and a unlabelled 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.



Immunoprecipitation - Anti-TCPTP antibody [EPR6712] (ab129070)

Lane 1 (input): MOLT-4 (human lymphoblastic leukemia T lymphoblast) whole cell lysate, 10µg

Lane 2 (+): MOLT-4 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab129070 in MOLT-4 whole cell lysate.

Ab129070 Immunoprecipitating TCPTP in MOLT-4 whole cell lysate. Capture antibody was used at a 1:20 dilution (0.6µg in 0.35mg lysates). For western blotting, primary antibody used was ab129070 at 1:1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST

Exposure time: 1second.

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

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