


Product datasheet

Anti-TPD52 antibody [EPR14220] ab182578

Recombinant RabMAb

[8 References](#) [8 Images](#)

Overview

Product name	Anti-TPD52 antibody [EPR14220]
Description	Rabbit monoclonal [EPR14220] to TPD52
Host species	Rabbit
Specificity	Based on immunogen sequence analysis, ab182578 recognizes 4 isoforms with the predicted MWs of 24KDa, 20KDa, 26 KDa and 22KDa, respectively.
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: SW480, HCT-116, Raji and THP1 cell lysates. IHC-P: Human prostatic hyperplasia and mouse kidney tissues. ICC/IF: MCF7 cells. Flow Cyt (intra): Raji cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 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: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR14220
Isotype	IgG

Applications

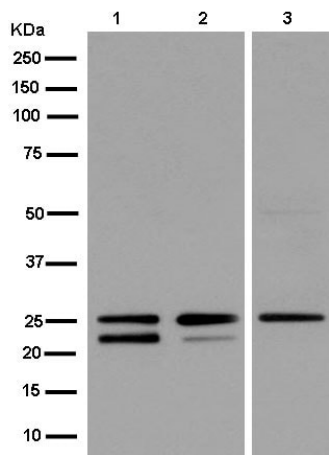
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab182578 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/350.
WB		1/10000 - 1/50000. Detects a band of approximately 20-26 kDa (predicted molecular weight: 24 kDa).
ICC/IF		1/500.
IP		1/40 - 1/60.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Tissue specificity	Isoform 2 is expressed in colon, breast, prostate, pancreas and kidney tumor cell lines. Isoform 2 is expressed at high levels in kidney, prostate, brain, small intestine and pancreas, at moderate levels in placenta and colon, at low levels in lung, liver and heart, and at very low levels in spleen, thymus, peripheral mononuclear blood cells, testis and ovary.
Sequence similarities	Belongs to the TPD52 family.
Developmental stage	Isoform 2 is expressed at lower levels in fetal brain and kidney than in adult brain and kidney.

Images



Western blot - Anti-TPD52 antibody [EPR14220] (ab182578)

All lanes : Anti-TPD52 antibody [EPR14220] (ab182578) at 1/20000 dilution

Lane 1 : HCT-116 cell lysate

Lane 2 : Raji cell lysate

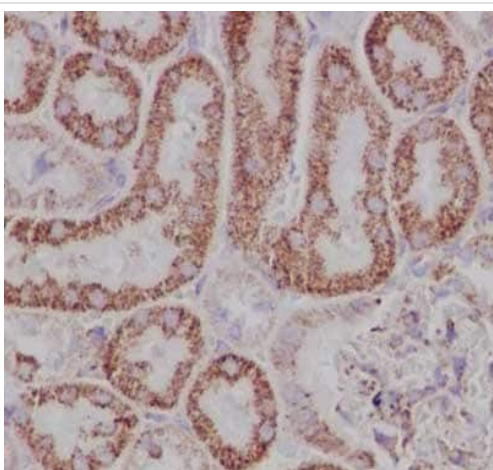
Lane 3 : THP1 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

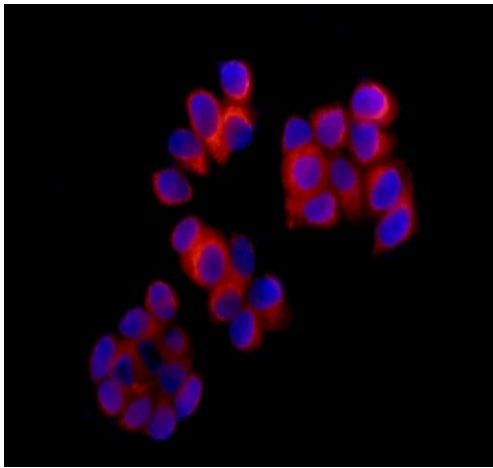
Predicted band size: 24 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPD52 antibody [EPR14220] (ab182578)

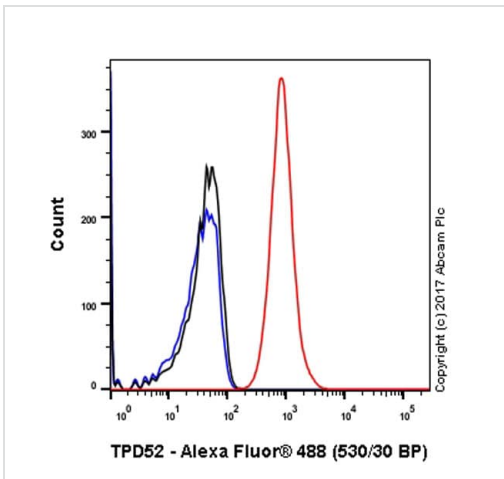
Immunohistochemical analysis of paraffin-embedded Mouse kidney tissue labeling TPD52 using ab182578 at 1/100 dilution. A Ready to use HRP Polymer for Rabbit IgG (prediluted) was used as secondary. Counterstain: Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



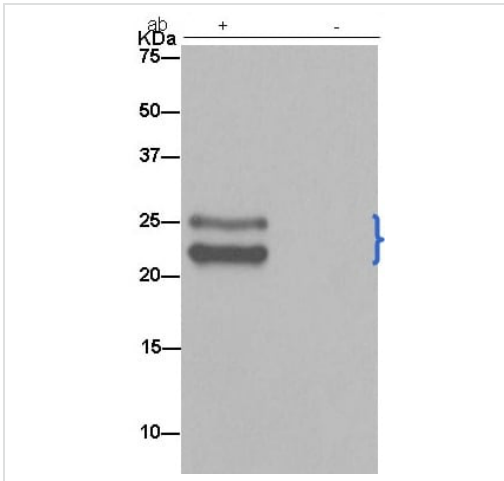
Immunocytochemistry/ Immunofluorescence - Anti-TPD52 antibody [EPR14220] (ab182578)

Immunofluorescent analysis of MCF7 cells labeling TPD52 using ab182578 at 1/500 dilution. A Goat anti rabbit IgG (Alexa Fluor555) at 1/200 dilution was used as secondary antibody. Cells were fixed with 4% paraformaldehyde. Counterstain: DAPI.



Flow Cytometry (Intracellular) - Anti-TPD52 antibody [EPR14220] (ab182578)

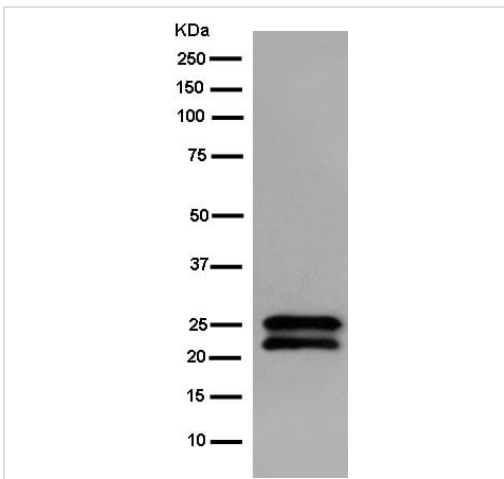
Intracellular Flow Cytometry analysis of Raji (human Burkitt's lymphoma) cells labeling TPD52 (red) with ab182578 at a 1/350 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with primary and secondary antibodies.



Immunoprecipitation - Anti-TPD52 antibody
[EPR14220] (ab182578)

Western blot analysis of immunoprecipitation pellet from HCT-116 cell lysate (+) or a negative control (-) immunoprecipitated using ab182578 at 1/50 dilution.

Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.



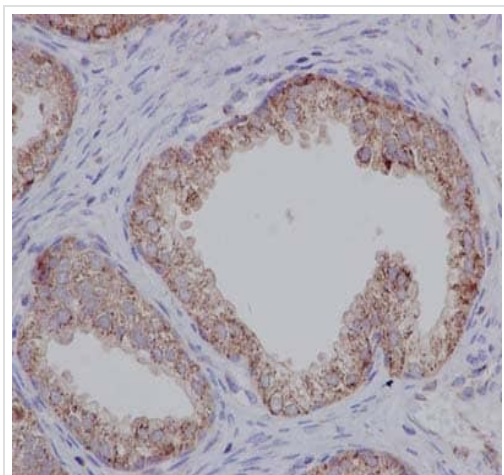
Western blot - Anti-TPD52 antibody [EPR14220]
(ab182578)

Anti-TPD52 antibody [EPR14220] (ab182578) at 1/10000 dilution + SW480 cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 24 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPD52 antibody
[EPR14220] (ab182578)

Immunohistochemical analysis of paraffin-embedded Human Prostatic hyperplasia tissue labeling TPD52 using ab182578 at 1/100 dilution, followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

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-TPD52 antibody [EPR14220] (ab182578)

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

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