

Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free ab238976

KO VALIDATED

Recombinant

RabMAb

5 Images

Overview

Product name	Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR16061(B)] to TXNL1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human thyroid papillary adenocarcinoma tissue. WB: HEK293T, K-562 and Caco-2 cell lysates. Flow Cyt (intra): 293 cells. ICC: HCT116 cells.
General notes	<p>ab238976 is the carrier-free version of ab188328.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16061(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab238976 in the following tested applications.

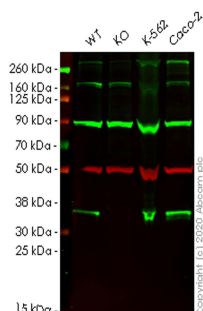
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 32 kDa (predicted molecular weight: 32 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 PITH domain. Contains 1 thioredoxin domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free (ab238976)

All lanes : Anti-TXNL1 antibody [EPR16061(B)] - N-terminal (**ab188328**) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : TXNL1 knockout HEK293T cell lysate

Lane 3 : K-562 cell lysate

Lane 4 : Caco-2 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

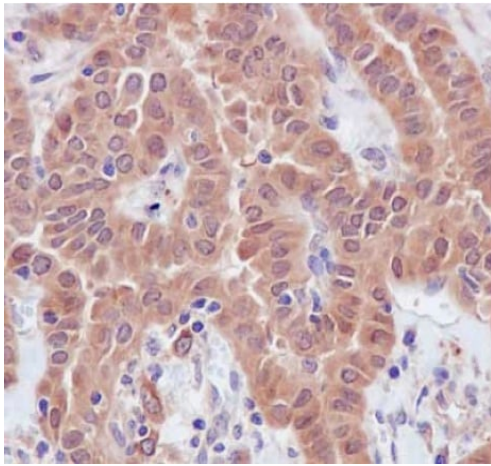
Predicted band size: 32 kDa

Observed band size: 32 kDa

This data was developed using **ab188328**, the same antibody clone in a different buffer formulation.

Lanes 1-4: Merged signal (red and green). Green - **ab188328** observed at 32 kDa. Red - loading control **ab7291** observed at 50 kDa.

ab188328 Anti-TXNL1 antibody [EPR16061(B)] - N-terminal was shown to specifically react with TXNL1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266413** (knockout cell lysate **ab258258**) was used. Wild-type and TXNL1 knockout samples were subjected to SDS-PAGE. **ab188328** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

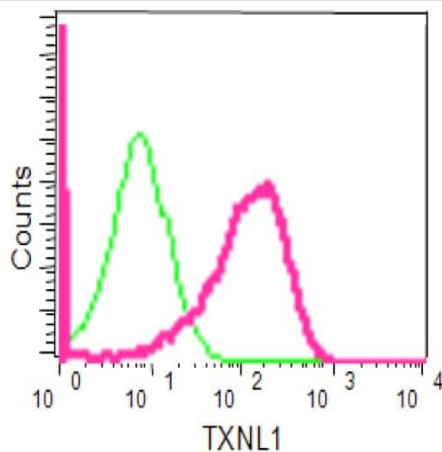


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free (ab238976)

Immunohistochemical analysis of paraffin-embedded Human thyroid papillary adenocarcinoma tissue labeling TXNL1 with **ab188328** at 1/250 dilution followed by pre-diluted HRP Polymer for Rabbit IgG secondary antibody and counter-stained with Hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188328**).

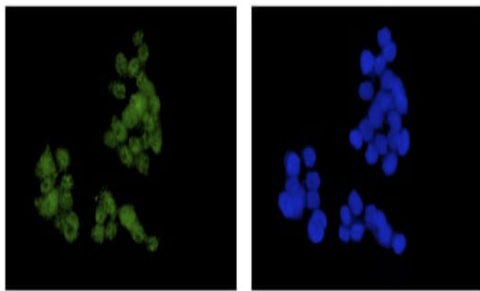
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free (ab238976)

Intracellular flow cytometric analysis of 293 cells (paraformaldehyde-fixed, 2%) labeling TXNL1 with **ab188328** at 1/80 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188328**).



Immunocytochemistry/ Immunofluorescence - Anti-TXNL1 antibody [EPR16061(B)] - BSA and Azide free (ab238976)

Immunofluorescent analysis of HCT-116 cells (paraformaldehyde-fixed, 4%) labeling TXNL1 with **ab188328** at 1/250 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188328**).

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

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

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