


Product datasheet

Anti-TAPP-1 antibody [EPR12061] - BSA and Azide free ab249797

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-TAPP-1 antibody [EPR12061] - BSA and Azide free
Description	Rabbit monoclonal [EPR12061] to TAPP-1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249797 is the carrier-free version of ab174292.</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	Affinity purified
Clonality	Monoclonal
Clone number	EPR12061
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249797 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

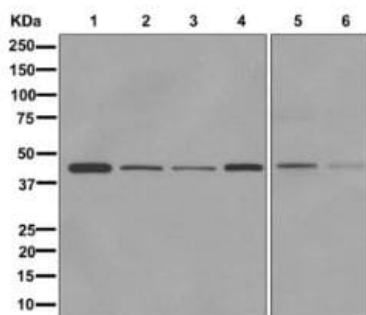
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 46 kDa.
IP		Use at an assay dependent concentration.

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

Target

Function	Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane.
Tissue specificity	Highly expressed in skeletal muscle, thymus, pancreas, placenta and lung. Detected at low levels in brain, heart, peripheral blood leukocytes, testis, ovary, spinal cord, thyroid, kidney, liver, small intestine and colon.
Sequence similarities	Contains 2 PH domains.
Domain	Binds to membranes enriched in PtdIns3,4P2 via the C-terminal PH domain.
Cellular localization	Cytoplasm. Cell membrane. Nucleus. Locates to the plasma membrane after treatments that stimulate the production of PtdIns3,4P2.

Images



Western blot - Anti-TAPP-1 antibody [EPR12061] - BSA and Azide free (ab249797)

All lanes : Anti-TAPP-1 antibody [EPR12061] ([ab174292](#)) at 1/1000 dilution

Lane 1 : MOLT4 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : A549 cell lysate

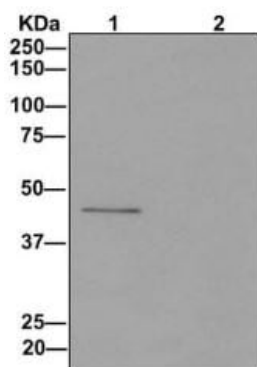
Lane 5 : Human fetal thymus cell lysate

Lane 6 : Human skeletal muscle cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 46 kDa

This data was developed using [ab174292](#), the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-TAPP-1 antibody [EPR12061] - BSA and Azide free (ab249797)

This data was developed using [ab174292](#), the same antibody clone in a different buffer formulation.

Western blot analysis on immunoprecipitation pellet from (1) fetal lung lysate or (2) 1XPBS (negative control) using [ab172627](#), and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Lane 1 Primary: [ab172627](#), 1/1000 dilution. Sample: Fetal lung lysate.

Lane 2 Primary: [ab172627](#), 1/1000 dilution. Sample: 1X PBS (negative control).

Anti-TAPP-1 antibody [EPR12061] ([ab174292](#)) at 1/10 dilution + MOLT4 cell lysate

Secondary

HRP-conjugated anti-rabbit IgG

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-TAPP-1 antibody [EPR12061] - BSA and Azide free (ab249797)

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

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