


Product datasheet

Anti-IPT antibody [EPR12517] - BSA and Azide free ab249810

Recombinant RabMAb

3 Images

Overview

Product name	Anti-IPT antibody [EPR12517] - BSA and Azide free
Description	Rabbit monoclonal [EPR12517] to IPT - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
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>ab249810 is the carrier-free version of ab174308.</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	EPR12517
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249810 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

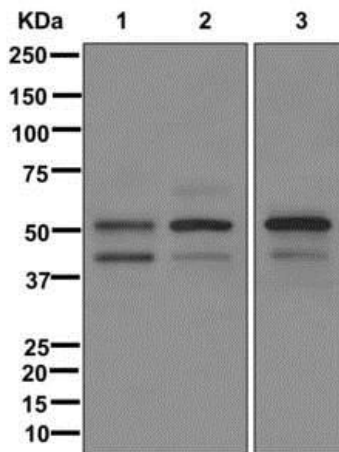
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 53 kDa.

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

Target

Function	Catalyzes the transfer of a dimethylallyl group onto the adenine at position 37 of both cytosolic and mitochondrial tRNAs, leading to the formation of N ⁶ -(dimethylallyl)adenosine (i(6)A).
Sequence similarities	Belongs to the IPP transferase family. Contains 1 matrix-type zinc finger.
Cellular localization	Cytoplasm and Mitochondrion.

Images



Western blot - Anti-IPT antibody [EPR12517] - BSA and Azide free (ab249810)

All lanes : Anti-IPT antibody [EPR12517] ([ab174308](#)) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

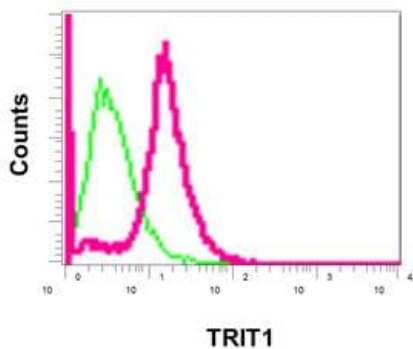
Lane 2 : Fetal lung lysate

Lane 3 : Raji cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 53 kDa

This data was developed using [ab174308](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-IPT antibody [EPR12517] - BSA and Azide free (ab249810)

This data was developed using [ab174308](#), the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized Raji cells labeling IPT with [ab174308](#) at 1/100 dilution (red) compared to a rabbit IgG negative control (green).

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-IPT antibody [EPR12517] - BSA and Azide free
(ab249810)

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

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