

Anti-Artemin antibody [EPR9763] - BSA and Azide free ab250054

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Artemin antibody [EPR9763] - BSA and Azide free
Description	Rabbit monoclonal [EPR9763] to Artemin - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: T-47D, NIH/3T3 and PC-12 whole cell lysate. Mouse and rat brain lysate; PC-12 whole cell lysate. IP: PC-12 whole cell lysate
General notes	<p>ab250054 is the carrier-free version of ab178434.</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	EPR9763
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250054 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

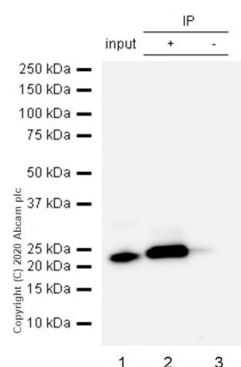
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for IHC-P.

Target

Function	Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain.
Tissue specificity	Ubiquitous. Expressed at high levels in peripheral tissues including prostate, placenta, pancreas, heart, kidney, pituitary gland, lung and testis. Expressed at low levels in the brain.
Sequence similarities	Belongs to the TGF-beta family. GDNF subfamily.
Developmental stage	Expressed during embryogenesis. High level expression seen in fetal kidney and lung while a low level expression seen in the fetal brain.
Cellular localization	Secreted.

Images



Immunoprecipitation - Anti-Artemin antibody
[EPR9763] - BSA and Azide free (ab250054)

This data was developed using **ab178434**, the same antibody clone in a different buffer formulation.

Purified **ab178434** at 1/30 dilution (2µg) immunoprecipitating Artemin in PC-12 whole cell lysate.

Lane 1 (input): PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate 10µg

Lane 2 (+): **ab178434** + PC-12 whole cell lysate.

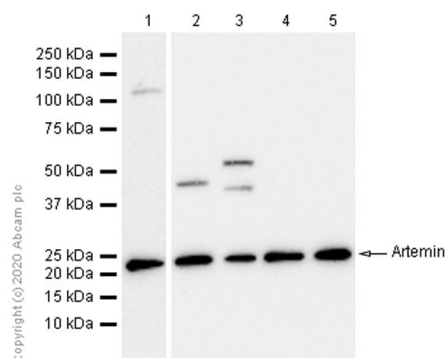
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab178434** in PC-12 whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 23 kDa



Western blot - Anti-Artemin antibody [EPR9763] -
BSA and Azide free (ab250054)

All lanes : Anti-Artemin antibody [EPR9763] (**ab178434**) at 1/1000 dilution

Lane 1 : T-47D (Human ductal breast epithelial tumor epithelial cell) whole cell lysate

Lane 2 : Mouse brain lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 4 : Rat brain lysate

Lane 5 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 23 kDa

This data was developed using **ab178434**, the same antibody clone in a different buffer formulation.

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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