

Anti-ENPP5 antibody [EPR8236] - BSA and Azide free ab248766

Recombinant RabMAb

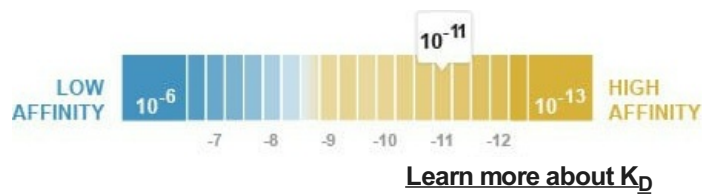
4 Images

Overview

Product name	Anti-ENPP5 antibody [EPR8236] - BSA and Azide free
Description	Rabbit monoclonal [EPR8236] to ENPP5 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248766 is the carrier-free version of ab137014.</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.
Dissociation constant (K_D)	$K_D = 1.18 \times 10^{-11} \text{ M}$



Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR8236
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248766 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

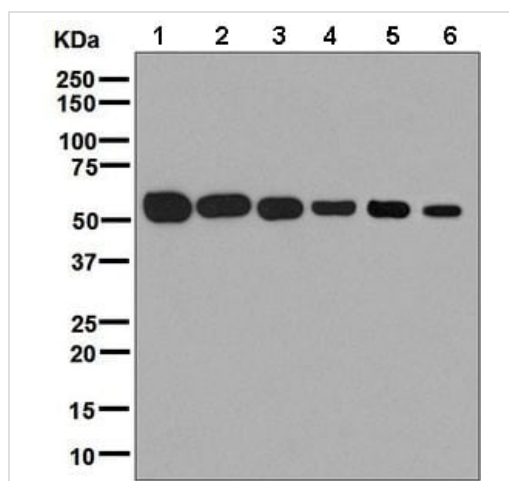
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 55 kDa.
ICC/IF		Use at an assay dependent concentration.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	May play a role in neuronal cell communication. Lacks nucleotide pyrophosphatase and lysopholipase D activity.
Sequence similarities	Belongs to the nucleotide pyrophosphatase/phosphodiesterase family.
Post-translational modifications	N-glycosylated.
Cellular localization	Secreted. Membrane.

Images



Western blot - Anti-ENPP5 antibody [EPR8236] - BSA and Azide free (ab248766)

All lanes : Anti-ENPP5 antibody [EPR8236] ([ab137014](#)) at 1/1000 dilution

Lane 1 : Y79 (Human retinoblastoma cell line) cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

Lane 5 : C6 cell lysate

Lane 6 : Neuro-2a cell lysate

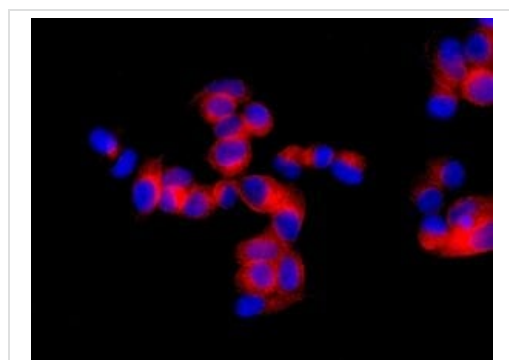
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

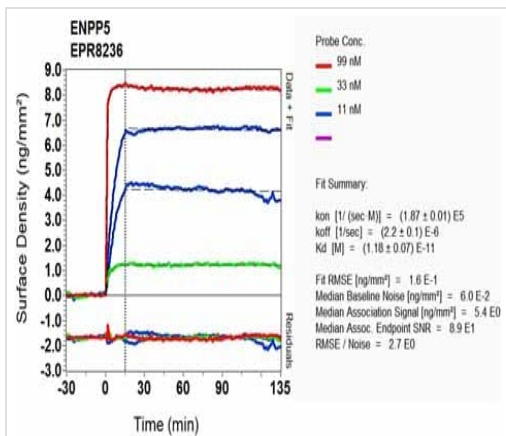
Predicted band size: 55 kDa

This data was developed using [ab137014](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-ENPP5 antibody [EPR8236] - BSA and Azide free (ab248766)

This data was developed using [ab137014](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of MCF7 cells labelling ENPP5 with [ab137014](#) at 1/250 dilution.



SPR Scanning - Anti-ENPP5 antibody [EPR8236] -
BSA and Azide free (ab248766)

This data was developed using **ab137014**, the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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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