


Product datasheet

Anti-NRK1 antibody [EPR11190] - BSA and Azide free ab249498

Recombinant RabMAb

3 Images

Overview

Product name	Anti-NRK1 antibody [EPR11190] - BSA and Azide free
Description	Rabbit monoclonal [EPR11190] to NRK1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra) Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human NRK1. The exact sequence is proprietary. Database link: Q9NWW6
General notes	<p>ab249498 is the carrier-free version of ab169548.</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>

Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

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	EPR11190
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249498 in the following tested applications.

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

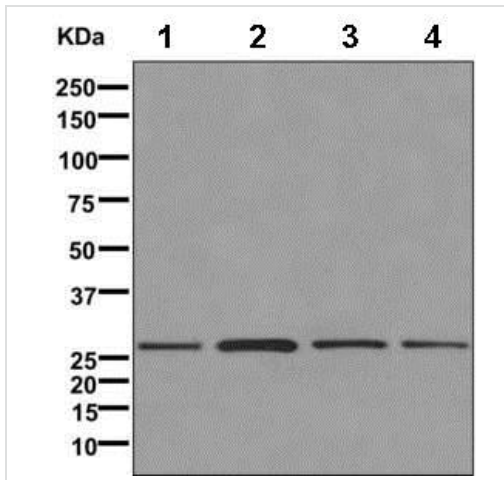
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.
Flow Cyt (Intra)		Use at an assay dependent concentration.

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

Target

Function	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). The enzyme also phosphorylates the antitumor drugs tiazofurin and 3-deazaguanosine.
Pathway	Cofactor biosynthesis; NAD(+) biosynthesis.
Sequence similarities	Belongs to the uridine kinase family. NRK subfamily.

Images



Western blot - Anti-NRK1 antibody [EPR11190] - BSA and Azide free (ab249498)

All lanes : Anti-NRK1 antibody [EPR11190] (**ab169548**) at 1/10000 dilution

- Lane 1 :** IM-9 cell lysate
- Lane 2 :** LoVo cell lysate
- Lane 3 :** HT-29 cell lysate
- Lane 4 :** MCF7 cell lysate

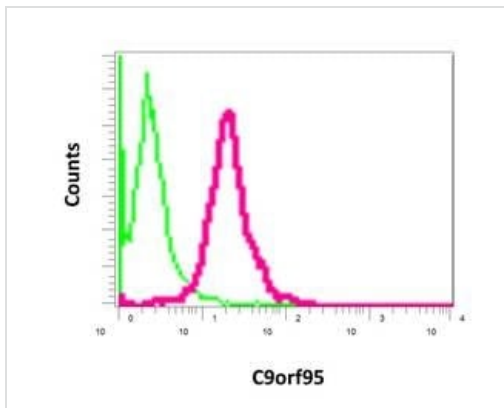
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 23 kDa

This data was developed using **ab169548**, the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-NRK1 antibody [EPR11190] - BSA and Azide free (ab249498)

This data was developed using **ab169548**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized HT-29 cells labeling NRK1 with **ab169548** at 1/10 dilution (red) compared 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-NRK1 antibody [EPR11190] - BSA and Azide free (ab249498)

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

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