

Product datasheet

Anti-RASGRP3 (phospho S172) antibody [EPNCIR149] ab166887

Recombinant RabMAb

3 Images

Overview

Product name	Anti-RASGRP3 (phospho S172) antibody [EPNCIR149]
Description	Rabbit monoclonal [EPNCIR149] to RASGRP3 (phospho S172)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	LNcap wild type cell lysates transfected with wild type RasGRP3, (C) wild type RASGRP3 + PMA (phorbol 12-myristate 13-acetate), wild type RASGRP3 + Go6983, wild type RASGRP3 + Go6983 + PMA
General notes	<p>This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of Peter Blumberg.</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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide

	Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPNCIR149
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166887 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		1/1000 - 1/10000. Detects a band of approximately 78 kDa (predicted molecular weight: 78 kDa).

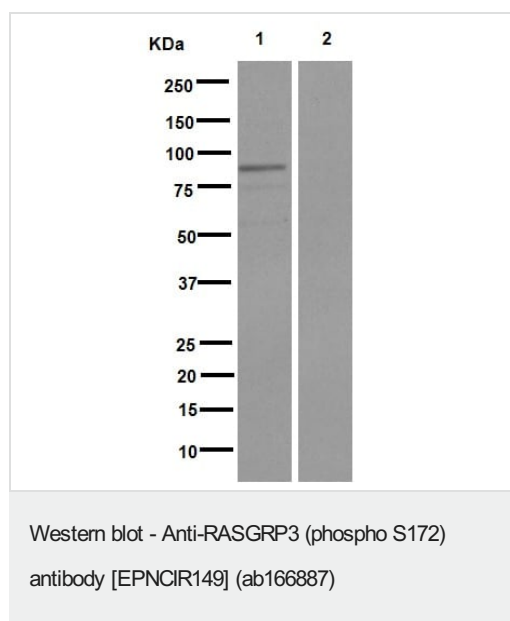
Application notes Is unsuitable for ICC/IF.

Target

Function Guanine nucleotide exchange factor (GEF) for Ras and Rap1.

Sequence similarities Belongs to the RASGRP family.
 Contains 2 EF-hand domains.
 Contains 1 N-terminal Ras-GEF domain.
 Contains 1 phorbol-ester/DAG-type zinc finger.
 Contains 1 Ras-GEF domain.

Images



All lanes : Anti-RASGRP3 (phospho S172) antibody [EPNCIR149] (ab166887) at 1/1000 dilution (purified)

Lane 1 : LnCap wild type cell lysate transfected with RASGRP3 + Go6983

Lane 2 : LnCap wild type cell lysate, untransfected

Lysates/proteins at 10 µg per lane.

Secondary

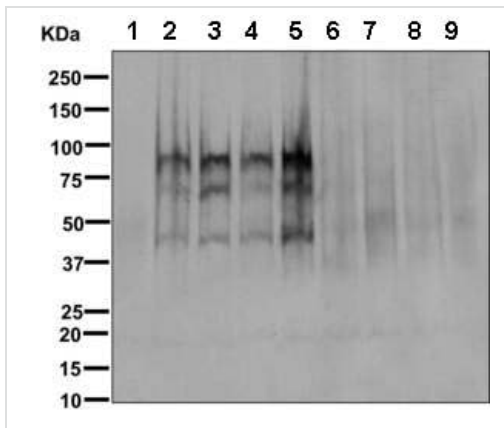
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 78 kDa

Observed band size: 78 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-RASGRP3 (phospho S172)
antibody [EPNCIR149] (ab166887)

All lanes : Anti-RASGRP3 (phospho S172) antibody [EPNCIR149]
(ab166887) at 1/1000 dilution

Lane 1 : LNCap wild type

cell lysate untransfected

Lane 2 : LNCap wild type

cell lysate transfected with RASGRP3

Lane 3 : LNCap wild type

cell lysate transfected with RASGRP3 + PMA

Lane 4 : LNCap wild type

cell lysate transfected with RASGRP3 + Go6983

Lane 5 : LNCap wild type

cell lysate transfected with RASGRP3 + Go6983 + PMA

Lane 6 : LNCap wild type

cell lysate transfected with s172A mutant RASGRP3

Lane 7 : LNCap wild type

cell lysate transfected with

s172A mutant RASGRP3 + PMA

Lane 8 : LNCap wild type

cell lysate transfected with s172A mutant RASGRP3 + Go6983

Lane 9 : LNCap wild type

cell lysate transfected with s172A mutant RASGRP3 + Go6983 +

PMA

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 78 kDa

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-RASGRP3 (phospho S172) antibody
[EPNCIR149] (ab166887)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors