


Anti-RASA4 antibody [EPR10515] - BSA and Azide free ab249298

Recombinant RabMAb

8 Images

Overview

Product name	Anti-RASA4 antibody [EPR10515] - BSA and Azide free
Description	Rabbit monoclonal [EPR10515] to RASA4 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249298 is the carrier-free version of ab157190.</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	EPR10515
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249298 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

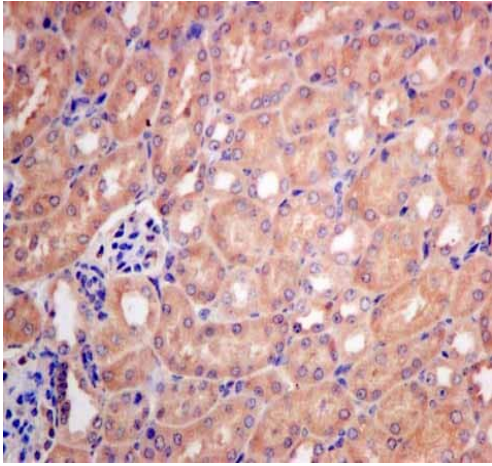
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 90 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF or IP.

Target

Relevance	RASA4 is a Ca(2+)-dependent Ras GTPase-activating protein, that switches off the Ras-MAPK pathway following a stimulus that elevates intracellular calcium.
Cellular localization	Cytoplasm; cytosol. Cell membrane; peripheral membrane protein. Note=Localized to the cytosol as a result of its lack of phosphoinositide binding activity. Upon agonist-stimulated calcium mobilization, utilizes the C2A and C2B domains to associate with the plasma membrane.

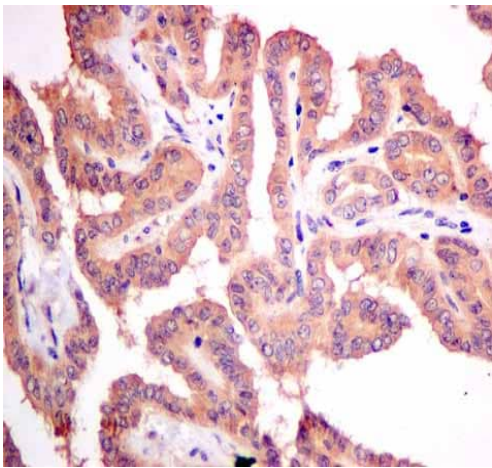
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

This data was developed using **ab157190**, the same antibody clone in a different buffer formulation.

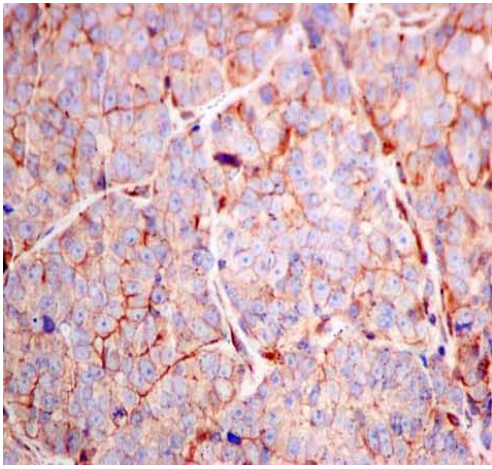
ab157190 showing +ve staining in Mouse kidney. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

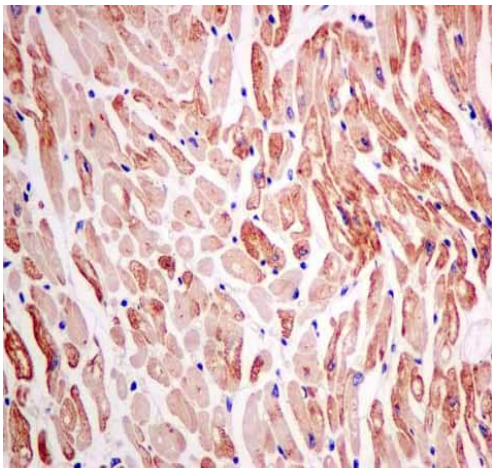
This data was developed using **ab157190**, the same antibody clone in a different buffer formulation.

ab157190 showing +ve staining in Human thyroid gland carcinoma. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



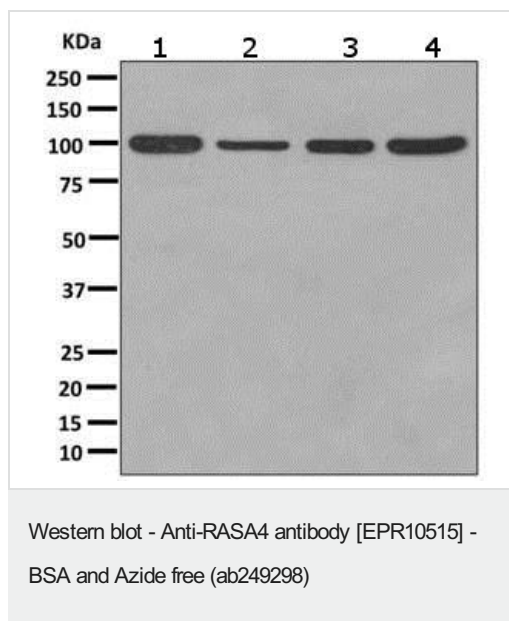
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

This data was developed using **ab157190**, the same antibody clone in a different buffer formulation. **ab157190** showing +ve staining in Human ovarian carcinoma. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

This data was developed using **ab157190**, the same antibody clone in a different buffer formulation. **ab157190** showing +ve staining in Human heart. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



All lanes : Anti-RASA4 antibody [EPR10515] ([ab157190](#)) at 1/1000 dilution

Lane 1 : Human skeletal muscle lysate

Lane 2 : HepG2 cell lysate

Lane 3 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lane 4 : HeLa cell lysate

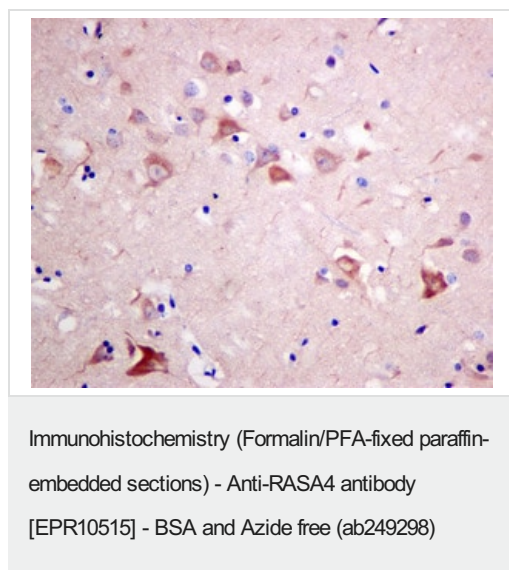
Lysates/proteins at 10 µg per lane.

Secondary

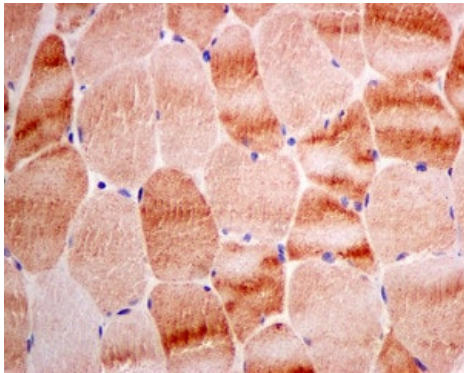
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 90 kDa

This data was developed using [ab157190](#), the same antibody clone in a different buffer formulation.



This data was developed using [ab157190](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling RASA4 with [ab157190](#) at 1/50 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

This data was developed using **ab157190**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human skeletal muscle labeling RASA4 with **ab157190** at 1/50 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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-RASA4 antibody [EPR10515] - BSA and Azide free (ab249298)

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