abcam

Product datasheet

Anti-RIAM antibody [EPR2806] - BSA and Azide free ab247579

Recombinant *RabMAb*

4 Images

Overview

Product name	Anti-RIAM antibody [EPR2806] - BSA and Azide free
Description	Rabbit monoclonal [EPR2806] to RIAM - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB **Unsuitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide within Human RIAM aa 1-100 (N terminal). The exact sequence is proprietary.
General notes	ab247579 is the carrier-free version of **ab92537**.

The production method for this product has been changed from hybridoma to recombinant on 15th April 2024.

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.

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.

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.

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.

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. |

Rat: 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: 7.20 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2806
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab247579 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 73 kDa.

Application notes   Is unsuitable for Flow Cyt.

Target

Relevance   RIAM (Rap1-GTP interacting adapter molecule) appears to function in the signal transduction from Ras activation to actin cytoskeletal remodeling via interaction with profilin and VASP. It suppresses insulin-induced promoter activities through AP1 and SRE and also mediates Rap1-induced adhesion.

**Cellular localization**   Cell Membrane, Cytoplasm and cytoskeleton

Images
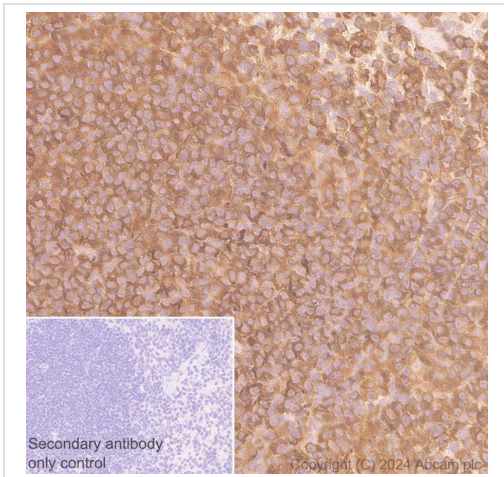
Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling RIAM with ab247579 at 1/2000 (0.449 ug/ml) dilution.

The section was incubated with ab247579 for 30 mins at room temperature. Counterstained with hematoxylin. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.
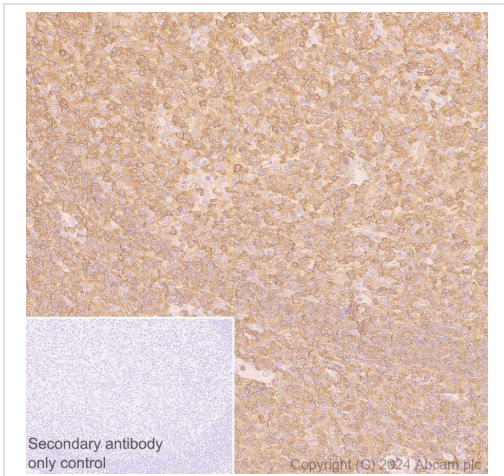
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RIAM antibody [EPR2806] - BSA and Azide free (ab247579)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling RIAM with ab247579 at 1/2000 (0.449 ug/ml) dilution.

The section was incubated with ab247579 for 30 mins at room temperature. Counterstained with hematoxylin. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RIAM antibody [EPR2806] - BSA and Azide free (ab247579)
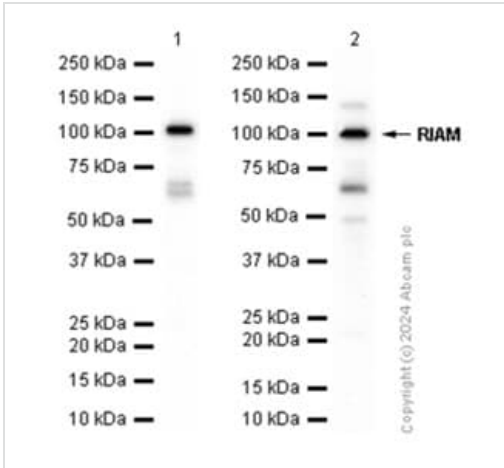
Western blot - Anti-RIAM antibody [EPR2806] - BSA and Azide free (ab247579)

All lanes : Anti-RIAM antibody [EPR2806] - BSA and Azide free (ab247579) at 1/20000 dilution

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Mouse brain lysate

Lysates/proteins at 15 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: 73 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: Lane 1, 10 seconds; Lane 2, 40 seconds

Anti-RIAM antibody [EPR2806] - BSA and Azide free (ab247579)

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

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