

Product datasheet

Anti-Coronin 1 α /TACO antibody [EPR19467-81] - BSA and Azide free ab243566

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Coronin 1 α /TACO antibody [EPR19467-81] - BSA and Azide free
Description	Rabbit monoclonal [EPR19467-81] to Coronin 1 α /TACO - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human colon and spleen tissue. ICC/IF: Jurkat cells. Flow Cyt (intra): Jurkat cells.
General notes	ab243566 is the carrier-free version of ab243090 .

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](#).

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	EPR19467-81
Isotype	IgG

Applications

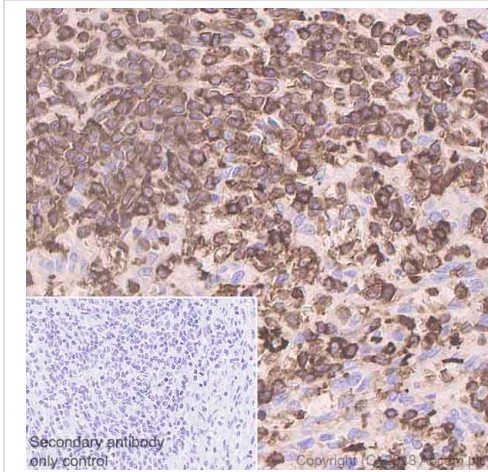
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab243566 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 51, 57 kDa (predicted molecular weight: 51 kDa).
ICC/IF		Use at an assay dependent concentration.

Target

Function	May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma membrane involved in cell locomotion. In mycobacteria-infected cells, its retention on the phagosomal membrane prevents fusion between phagosomes and lysosomes.
Tissue specificity	Expressed in brain, thymus, spleen, bone marrow and lymph node. Low in lung and gut.
Sequence similarities	Belongs to the WD repeat coronin family. Contains 7 WD repeats.
Cellular localization	Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Cytoplasmic vesicle > phagosome membrane. In non-infected macrophages, associated with the cortical microtubule network. In mycobacteria-infected macrophages, becomes progressively relocalized and retained around the mycobacterial phagosomes. Retention on the phagosomal membrane is strictly dependent on mycobacterial viability and not due to impaired acidification.

Images



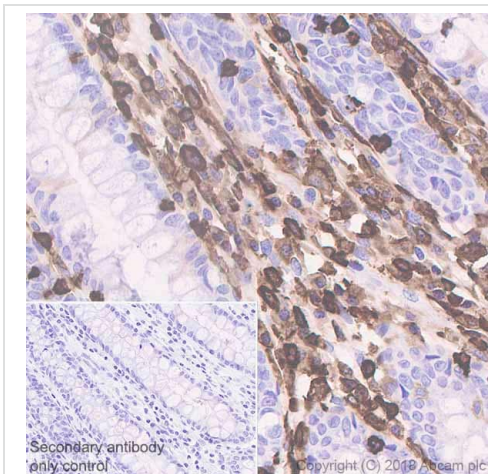
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-81] - BSA and Azide free (ab243566)

Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling Coronin 1a/TACO with **ab243090** at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on human spleen (PMID: 17341475) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243090**).



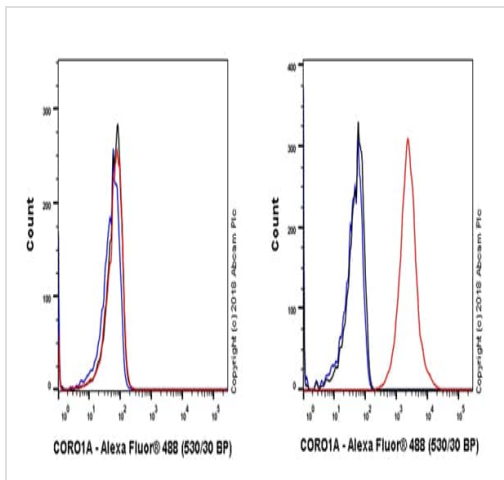
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coronin 1a/TACO antibody [EPR19467-81] - BSA and Azide free (ab243566)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling Coronin 1a/TACO with **ab243090** at 1/2000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on human colon (PMID: 17341475) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243090**).

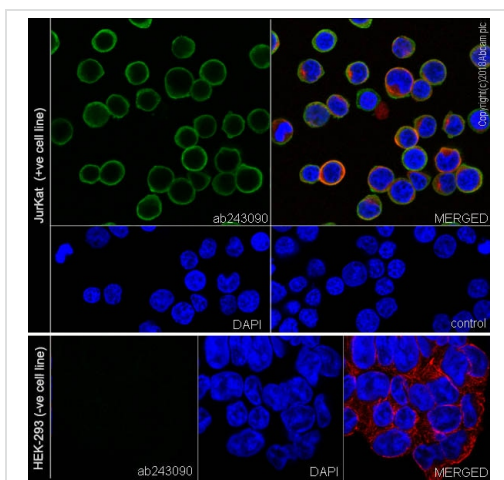


Flow Cytometry (Intracellular) - Anti-Coronin 1a/TACO antibody [EPR19467-81] - BSA and Azide free (ab243566)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized HEK-293 (human epithelial cell line from embryonic kidney) (Left panel) and Jurkat (human epithelial cell line from embryonic kidney) (Right panel) cells labeling Coronin 1a/TACO with **ab243090** at 1/600 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**), at 1/2000 dilution was used as the secondary antibody.

Negative control: HEK-293 (PMID:17341475).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243090**).



Immunocytochemistry/ Immunofluorescence - Anti-Coronin 1a/TACO antibody [EPR19467-81] - BSA and Azide free (ab243566)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling Coronin 1a/TACO with **ab243090** at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and membranous staining in Jurkat cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) at 1/200 dilution.

Control: Used PBS instead of primary antibody, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.

Negative control: HEK-293 (PMID:17341475).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab243090](#)).

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-Coronin 1a/TACO antibody [EPR19467-81] -
BSA and Azide free (ab243566)

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

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