

Anti-GPA33 antibody [EPR4240] - BSA and Azide free ab247720

Recombinant RabMAb

4 Images

Overview

Product name	Anti-GPA33 antibody [EPR4240] - BSA and Azide free
Description	Rabbit monoclonal [EPR4240] to GPA33 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human small intestine, colon and fetal colon tissue lysates; HT-29 and MOLT-4 cell lysates; IHC-P: Human colon tissue. Human colon cancer tissue. Human ovarian cancer tissue; IP: HT-29 cell lysate.
General notes	ab247720 is the carrier-free version of ab108938 .

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](#).

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these 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	Protein A purified
Clonality	Monoclonal
Clone number	EPR4240
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247720 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
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degree C, below boiling, and then let cool for 10-20 min. See IHC antigen retrieval protocols .
WB		Use at an assay dependent concentration. Predicted molecular weight: 36 kDa.

Target

Function	May play a role in cell-cell recognition and signaling.
Tissue specificity	Expressed in normal gastrointestinal epithelium and in 95% of colon cancers.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	N-glycosylated, contains approximately 8 kDa of N-linked carbohydrate. Palmitoylated.
Cellular localization	Membrane.



Western blot - Anti-GPA33 antibody [EPR4240] - BSA and Azide free (ab247720)

All lanes : Anti-GPA33 antibody [EPR4240] ([ab108938](#)) at 1/1000 dilution (Purified)

Lane 1 : Human colon lysates

Lane 2 : HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 3 : MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysates

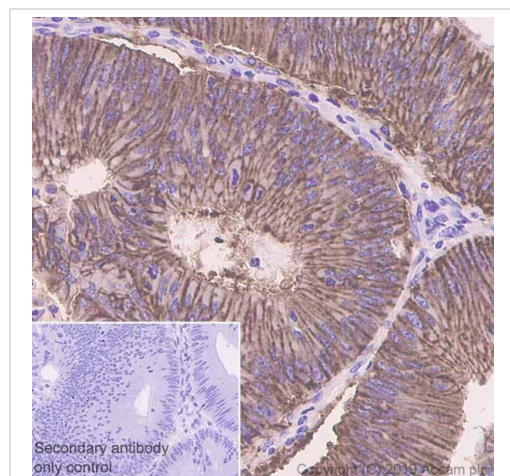
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 36 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab108938](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GPA33 antibody [EPR4240] - BSA and Azide free (ab247720)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer tissue sections labeling GPA33 with Purified [ab108938](#) at 1:400 dilution (0.25 µg/ml). Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab108938](#)).



Immunoprecipitation - Anti-GPA33 antibody
[EPR4240] - BSA and Azide free (ab247720)

Purified **ab108938** at 1:20 dilution (0.5ug) immunoprecipitating GPA33 in HT-29 whole cell lysate.

Lane 1 (input): HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate (10µg)

Lane 2 (+): **ab108938** + HT-29 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab108938** in HT-29 whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 50 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108938**).

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

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

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