

Anti-GRASP65 antibody [EPR12439] - BSA and Azide free ab249824

Recombinant RabMAb

7 Images

Overview

Product name	Anti-GRASP65 antibody [EPR12439] - BSA and Azide free
Description	Rabbit monoclonal [EPR12439] to GRASP65 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249824 is the carrier-free version of ab174834.</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	Affinity purified
Clonality	Monoclonal
Clone number	EPR12439
Isotype	IgG

Applications

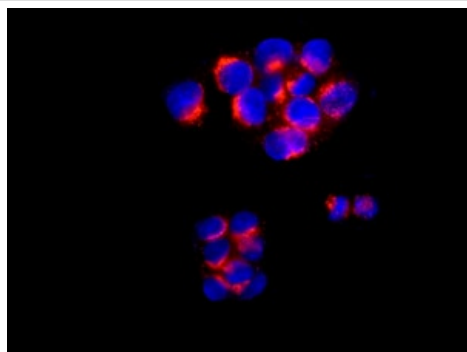
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249824 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 65 kDa (predicted molecular weight: 46 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Stacking factor involved in the postmitotic assembly of Golgi stacks from mitotic Golgi fragments. Key structural protein required for the maintenance of the Golgi apparatus integrity: its caspase-mediated cleavage is required for fragmentation of the Golgi during apoptosis. Also mediates, via its interaction with GM130, the docking of transport vesicles with the Golgi membranes.
Sequence similarities	Belongs to the GORASP family. Contains 1 PDZ (DHR) domain.
Post-translational modifications	Phosphorylated by CDC2/B1 and PLK kinases during mitosis. Phosphorylation cycle correlates with the cisternal stacking cycle. Phosphorylation of the homodimer prevents the association of dimers into higher order oligomers, leading to cisternal unstacking. Target for caspase-3 cleavage during apoptosis. The cleavage contributes to Golgi fragmentation and occurs very early in the execution phase of apoptosis.
Cellular localization	Golgi apparatus > cis-Golgi network membrane. Undergoes rapid exchange with the cytosol.

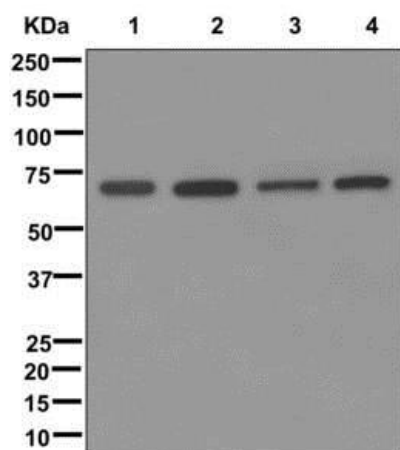
Images



Immunocytochemistry/ Immunofluorescence - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

This data was developed using [ab174834](#), the same antibody clone in a different buffer formulation.

Immunofluorescent analysis of HepG2 cells, labeling GRASP65 with [ab174834](#) at 1/100 dilution (red). DAPI nuclear staining (blue).



Western blot - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

All lanes : Anti-GRASP65 antibody [EPR12439] - C-terminal ([ab174834](#)) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : MCF7 cell lysate

Lysates/proteins at 10 µg per lane.

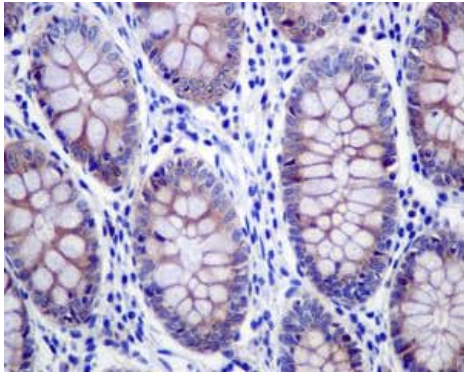
Secondary

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

Developed using the ECL technique.

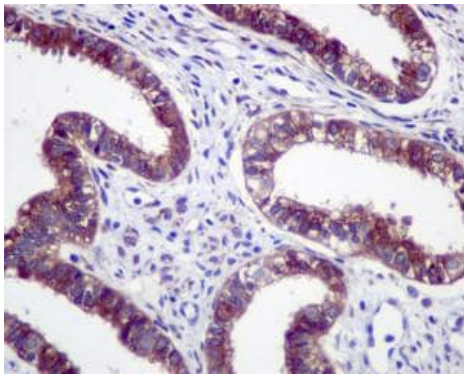
Predicted band size: 46 kDa

This data was developed using [ab174834](#), the same antibody clone in a different buffer formulation.



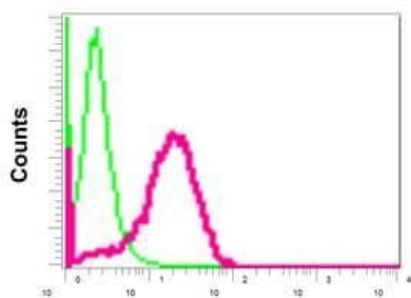
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

This data was developed using [**ab174834**](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon tissue, labeling GRASP65 with [**ab174834**](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

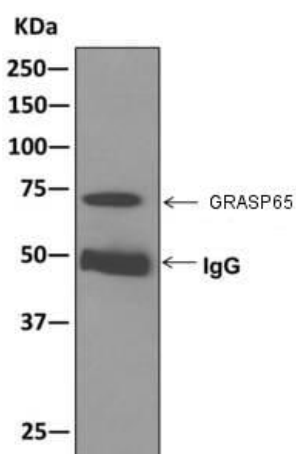
This data was developed using [**ab174834**](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human uterus tissue, labeling GRASP65 with [**ab174834**](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

This data was developed using [ab174834](#), the same antibody clone in a different buffer formulation.

Intracellular Flow Cytometry analysis of permeabilized HeLa cells labeling GRASP65 with [ab174834](#) at 1/10 dilution (red), or negative control rabbit IgG (green).



Immunoprecipitation - Anti-GRASP65 antibody [EPR12439] - BSA and Azide free (ab249824)

This data was developed using [ab174834](#), the same antibody clone in a different buffer formulation.

Western blot analysis on immunoprecipitation pellet from HeLa cell lysate labeling GRASP65, immunoprecipitated using [ab174834](#) at 1/10 dilution.

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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