

Product datasheet

Anti-58K Golgi protein antibody [EPR7909] - BSA and Azide free ab248255

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-58K Golgi protein antibody [EPR7909] - BSA and Azide free
Description	Rabbit monoclonal [EPR7909] to 58K Golgi protein - BSA and Azide free
Host species	Rabbit
Specificity	This antibody is not suitable for testing cell line samples in western blot.
Tested applications	Suitable for: IHC-P, WB Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248255 is the carrier-free version of ab129005.</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>

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	EPR7909
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248255 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. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	Folate-dependent enzyme, that displays both transferase and deaminase activity. Serves to channel one-carbon units from formiminoglutamate to the folate pool. Binds and promotes bundling of vimentin filaments originating from the Golgi.
Pathway	Amino-acid degradation; L-histidine degradation into L-glutamate; L-glutamate from N-formimidoyl-L-glutamate (transferase route): step 1/1. One-carbon metabolism; tetrahydrofolate interconversion.
Involvement in disease	Defects in FTCD are the cause of glutamate formiminotransferase deficiency (FIGLU-URIA) [MIM:229100]; also known as formiminoglutamicaciduria (FIGLU-uria). It is an autosomal recessive disorder. Features of a severe phenotype, include elevated levels of formiminoglutamate (FIGLU) in the urine in response to histidine administration, megaloblastic anemia, and mental retardation. Features of a mild phenotype include high urinary excretion of FIGLU in the absence of histidine administration, mild developmental delay, and no hematological abnormalities.

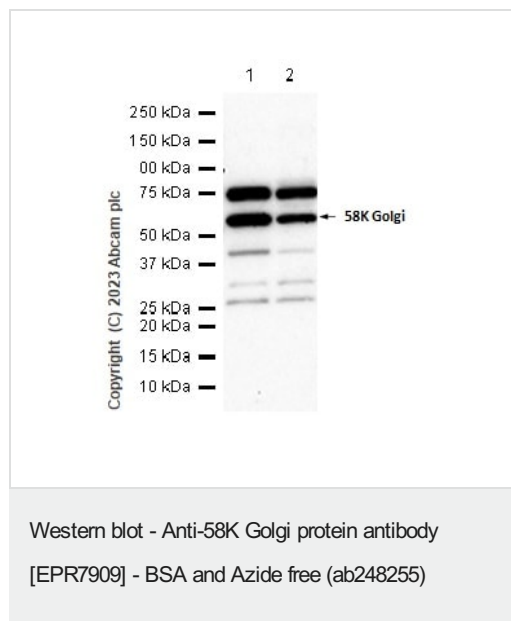
Sequence similarities

In the C-terminal section; belongs to the cyclodeaminase/cyclohydrolase family.
In the N-terminal section; belongs to the formiminotransferase family.

Cellular localization

Cytoplasm > cytoskeleton > centrosome > centriole. Golgi apparatus. More abundantly located around the mother centriole.

Images



All lanes : Anti-58K Golgi protein antibody [EPR7909] (**ab129005**) at 1/1000 dilution

Lane 1 : Human liver tissue lysate

Lane 2 : Human kidney tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

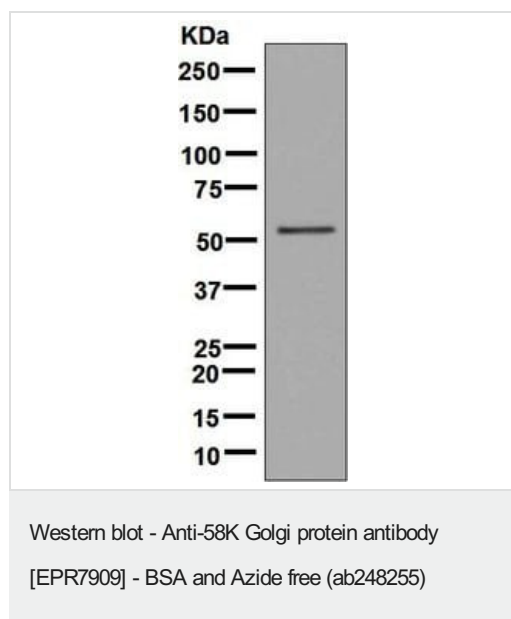
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Exposure time: 20 seconds

Blocking buffer and dilution buffer concentration: 5% NFD/MTBST.



Anti-58K Golgi protein antibody [EPR7909] (**ab129005**) at 1/1000 dilution + Human fetal liver tissue lysate at 10 µg

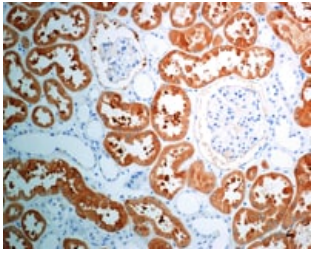
Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 58 kDa

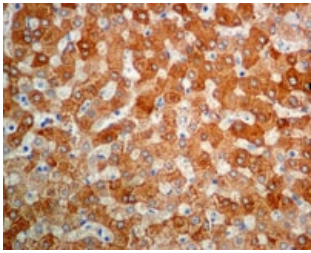
Observed band size: 58 kDa

This data was developed using **ab129005**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-58K Golgi protein antibody [EPR7909] - BSA and Azide free (ab248255)

This data was developed using **ab129005**, the same antibody clone in a different buffer formulation. **ab129005**, at 1/250 dilution, staining 58K Golgi protein in paraffin-embedded Human kidney tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



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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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