abcam

Product datasheet

Anti-ASGR2 antibody [EPR16975] - BSA and Azide free ab216521

Recombinant RabMAb

4 Images

Overview

Product name	Anti-ASGR2 antibody [EPR16975] - BSA and Azide free
Description	Rabbit monoclonal [EPR16975] to ASGR2 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver lysate. IHC-P: Human liver tissue. IP: Human fetal liver whole cell lysate.
General notes	ab216521 is the carrier-free version of **ab200196**. 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	EPR16975
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab216521 in the following tested applications.

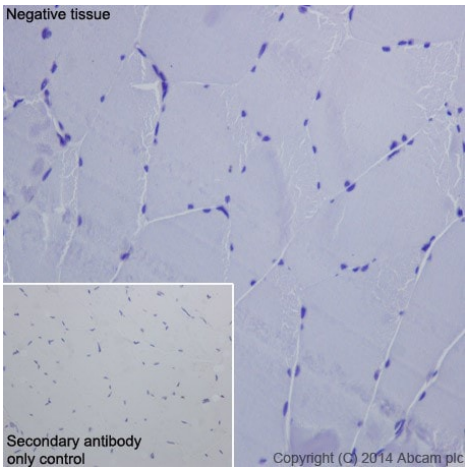
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 46 kDa (predicted molecular weight: 35 kDa).
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.
IP		Use at an assay dependent concentration.

Target

Function	Mediates the endocytosis of plasma glycoproteins to which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. The receptor recognizes terminal galactose and N-acetylgalactosamine units. After ligand binding to the receptor, the resulting complex is internalized and transported to a sorting organelle, where receptor and ligand are disassociated. The receptor then returns to the cell membrane surface.
Tissue specificity	Expressed exclusively in hepatic parenchymal cells.
Sequence similarities	Contains 1 C-type lectin domain.
Cellular localization	Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ASGR2 antibody [EPR16975] - BSA and Azide free (ab216521)

Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling ASGR2 with **ab200196** at 1/600 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

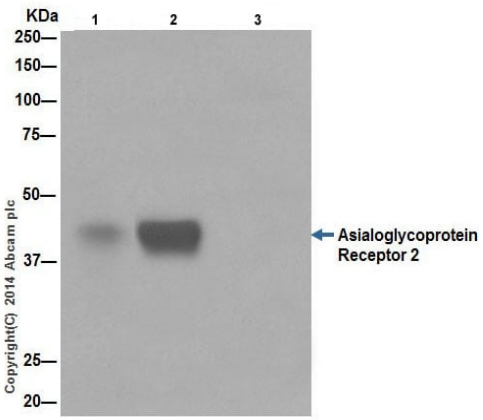
No staining on Human skeletal muscle tissue is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200196**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-ASGR2 antibody [EPR16975] - BSA and Azide free (ab216521)

ASGR2 was immunoprecipitated from 1mg of Human fetal liver whole cell lysate with **ab200196** at 1/30 dilution.

Western blot was performed from the immunoprecipitate using **ab200196** at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

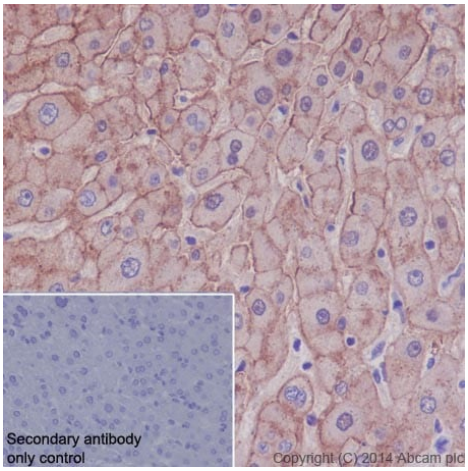
Lane 1: Human fetal liver whole cell lysate 10 µg (Input).

Lane 2: **ab200196** IP in Human fetal liver whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab200196** in Human fetal liver whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200196**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ASGR2 antibody [EPR16975] - BSA and Azide free (ab216521)

This IHC data was generated using the same anti-Asiaglycoprotein Receptor 2 antibody clone, EPR16975, in a different buffer formulation (cat# **ab200196**).

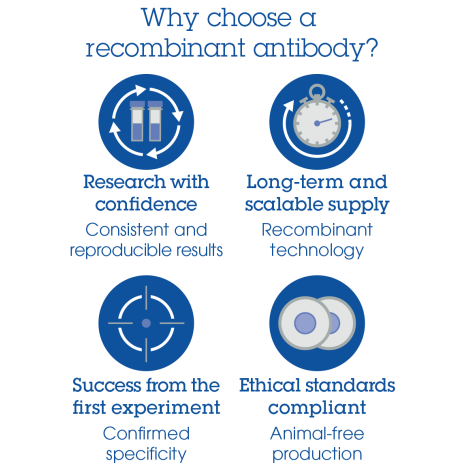
Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling ASGR2 with **ab200196** at 1/600 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

Cytoplasm and cell membrane staining on Human liver tissue 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) (**ab97051**) at 1/500 dilution.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-ASGR2 antibody [EPR16975] - BSA and Azide free (ab216521)

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