

Anti-GALNTL2 antibody [EPR11580] - BSA and Azide free ab249786

Recombinant RabMAb

4 Images

Overview

Product name	Anti-GALNTL2 antibody [EPR11580] - BSA and Azide free
Description	Rabbit monoclonal [EPR11580] to GALNTL2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249786 is the carrier-free version of ab174275.</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	Protein A purified
Clonality	Monoclonal
Clone number	EPR11580
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249786 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

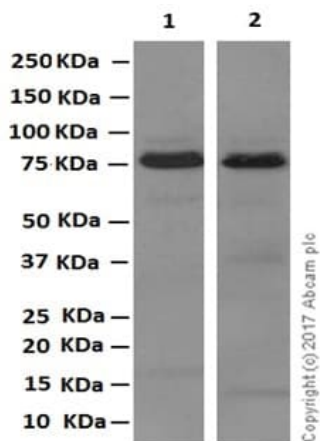
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 73 kDa (predicted molecular weight: 73 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Relevance	GALNTL2 catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a as substrate.
Cellular localization	Golgi apparatus membrane; Single-pass type II membrane protein

Images



Western blot - Anti-GALNTL2 antibody [EPR11580] - BSA and Azide free (ab249786)

All lanes : Anti-GALNTL2 antibody [EPR11580] ([ab174275](#)) at 1/1000 dilution

Lane 1 : Mouse spleen tissue lysate

Lane 2 : Rat spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

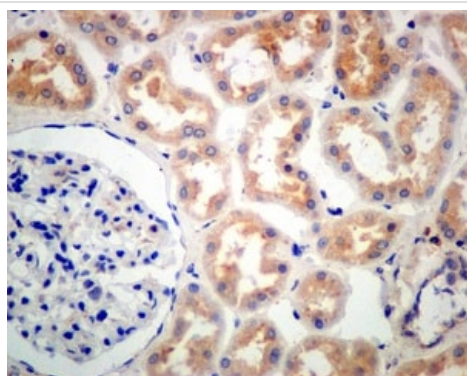
Predicted band size: 73 kDa

Observed band size: 73 kDa

Exposure time: 3 minutes

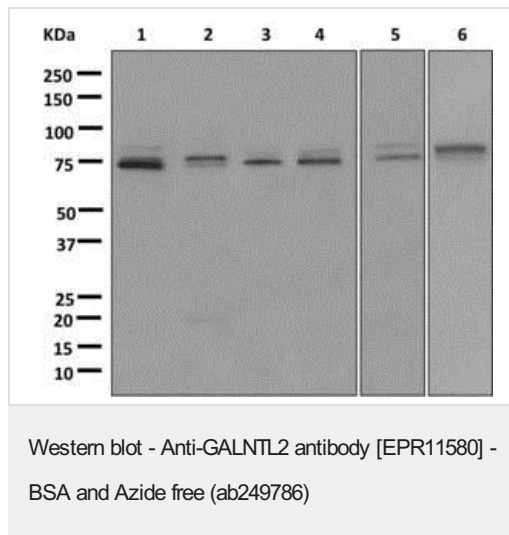
This data was developed using [ab174275](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GALNTL2 antibody [EPR11580] - BSA and Azide free (ab249786)

This data was developed using [ab174275](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling GALNTL2 with [ab174275](#) at 1/50 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



All lanes : Anti-GALNTL2 antibody [EPR11580] (**ab174275**) at 1/1000 dilution

Lane 1 : K562 lysates

Lane 2 : Human placenta lysates

Lane 3 : Caco 2 lysates

Lane 4 : JAR lysates

Lane 5 : MCF7 lysates

Lane 6 : Human fetal brain lysates

Lysates/proteins at 10 µg per lane.

Predicted band size: 73 kDa

This data was developed using **ab174275**, the same antibody clone in a different buffer formulation.

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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