




Product datasheet

Anti-GALNT9 antibody ab172528

1 Image

Overview

Product name	Anti-GALNT9 antibody
Description	Rabbit polyclonal to GALNT9
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant full length protein corresponding to Human GALNT9 aa 1-247. Isoform 2 Sequence: MEVLPCSRVAHIERTRKPYNNDIDYYAKRNALRAAEVWMD DFKSHVYMAW NIPMSNPGVDFGDVSERLALRQLKCRSFKWYLENVYPE MRVYNNTLTYG EVRNSKASAYCLDQGAEDGDRAILYPCHGMSSQLVRYSA DGLLQLGPLGS TAFLPDSKCLVDDGTGRMPTLKKCEDVARPTQRLWDFT QSGPIVSRATGR CLEVEMSKDANFGLRLVVQRCSGQKWMIRNWIKHARH Database link: NP_068580.2  Run BLAST with  Run BLAST with
Positive control	GALNT9 transfected 293T cell line lysate
General notes	Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough. Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility. We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee. In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for. We are also updating the applications & species that this product has been “predicted to work

with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab172528** 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 a concentration of 1 µg/ml. Predicted molecular weight: 68 kDa.

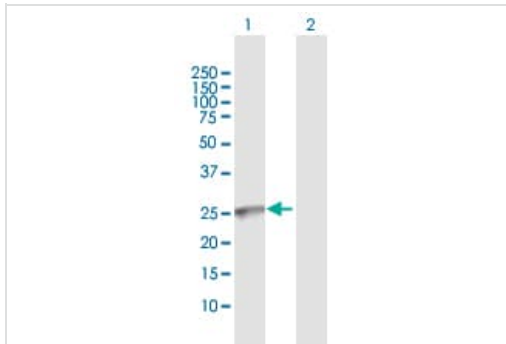
Target

Function	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. Does not glycosylate apomucin or SDC3.
Tissue specificity	Specifically expressed in brain. Not expressed in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocyte. In brain, it is expressed in cerebellum, frontal lobe, temporal lobe, putamen and spinal cord, weakly expressed in cerebral cortex. Not expressed in medulla and occipital pole.
Pathway	Protein modification; protein glycosylation.
Sequence similarities	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
Domain	There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding.

The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.
Golgi apparatus membrane.

Cellular localization

Images



Western blot - Anti-GALNT9 antibody (ab172528)

All lanes : Anti-GALNT9 antibody (ab172528) at 1 µg/ml

Lane 1 : GALNT9 transfected 293T cell line lysate

Lane 2 : Non-transfected 293T cell line lysate

Lysates/proteins at 15 µg/ml per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (H+L), Peroxidase Conjugated at 1/2500 dilution

Predicted band size: 68 kDa

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

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- Response to your inquiry within 24 hours
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