

Rabbit GALNS Polyclonal Antibody | anti-GALNS antibody

GALNS Antibody (Center)

CATALOG # AAA287703	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Pig, Rat)	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GALNS; Polyclonal Antibody; GALNS Antibody (Center); N-acetylgalactosamine-6-sulfatase; Chondroitinsulfatase; Chondroitinase; Galactose-6-sulfate sulfatase; GalN6S; N-acetylgalactosamine-6-sulfate sulfatase; GalNAc6S sulfatase; anti-GALNS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GALNS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-263 amino acids from the Central region of human GALNS.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Positions	236-263
Sequence Length	522
Applicable Applications for anti-GALNS antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GALNS Antibody (Center) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of GALNS Antibody (Center) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

GALNS Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GALNS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GALNS Antibody (Center) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the GALNS antibody detected the GALNS protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GALNS antibody	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-sulfate. Sequence alterations including point, missense and nonsense mutations, as well as those that affect splicing, result in a deficiency of this enzyme. Deficiencies of this enzyme lead to Morquio A syndrome, a lysosomal storage disorder. [provided by RefSeq].
Product Categories/Family for anti-GALNS antibody	Cell Biology ; Signal transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Bank, R.A., et al. Mol. Genet. Metab. 97(3):196-201(2009) Yan, S., et al. Biopolymers 92(5):399-404(2009) Carraresi, L., et al. Clin. Chim. Acta 397 (1-2), 72-76 (2008) : Bhattacharyya, S., et al. J. Biol. Chem. 283(15):9523-9530(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503899
NCBI GeneID	2588
NCBI Accession #	NP_000503.1
NCBI GenBank Nucleotide #	NM_000512.4
UniProt Accession #	P34059 ; Q86VK3
Molecular Weight	58026
NCBI Official Full Name	N-acetylgalactosamine-6-sulfatase
NCBI Official Synonym Full Names	galactosamine (N-acetyl)-6-sulfatase
NCBI Official Symbol	GALNS
NCBI Official Synonym Symbols	GAS; MPS4A; GalN6S; GALNAC6S
NCBI Protein Information	N-acetylgalactosamine-6-sulfatase
UniProt Protein Name	N-acetylgalactosamine-6-sulfatase
UniProt Gene Name	GALNS
UniProt Synonym Gene Names	Chondroitinase; GalN6S; GalNAc6S sulfatase
UniProt Entry Name	GALNS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

