

Rabbit GALNS Polyclonal Antibody | anti-GALNS antibody

GALNS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327052	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GALNS; Polyclonal Antibody; GALNS Antibody; Chondroitinase; Chondroitinsulfatase; FLJ00319; FLJ17434; FLJ42844; FLJ98217; Galactosamine (N acetyl) 6 sulfate sulfatase; Galactose 6 sulfate sulfatase; GALNAC6S; GalNAc6S sulfatase; GALNS6; GAS; mFLJ00319; MPS4A; N acetylgalactosamine 6 sulfatase; N acetylgalactosamine 6 sulfate sulfatase; anti-GALNS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GALNS antibody detects endogenous levels of total GALNS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	522
Applicable Applications for anti-GALNS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GALNS
Subcellular Location	Lysosome
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using GALNS Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327052 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GALNS antibody	Description: 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. Function: Hydrolysis of the 6-sulfate groups of the N-acetyl-D-galactosamine 6-sulfate units of chondroitin sulfate and of the D-galactose 6-sulfate units of keratan sulfate. Subunit Structure: Homodimer. Post-translational Modifications: The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. Similarity: Belongs to the sulfatase family.
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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	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	N-acetylgalactosamine-6-sulfatase isoform 1
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/galns-antibody-immunohistochemistry-western-blot-elisa/327052>