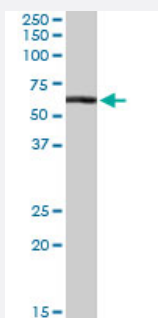


# GALNS polyclonal antibody

Catalog # PAB7554

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

GALNS polyclonal antibody (Cat # PAB7554) (0.01 ug/mL) staining of human bone marrow lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of GALNS.

**Immunogen** A synthetic peptide corresponding to human GALNS.

**Sequence** C-TTHNLEDHTKLP

**Host** Goat

**Theoretical MW (kDa)** 58

**Reactivity** Human

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
 ELISA (1:64000)  
 Western Blot (0.01-0.03 ug/mL)  
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GALNS

Entrez GeneID	<a href="#">2588</a>
Protein Accession#	<a href="#">NP_000503.1</a>
Gene Name	GALNS
Gene Alias	FLJ17434, FLJ42844, FLJ98217, GALNAC6S, GAS, MPS4A
Gene Description	galactosamine (N-acetyl)-6-sulfate sulfatase
Omim ID	<a href="#">253000</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	chondroitinase

## Publication Reference

- [Combining an autologous peripheral nervous system "bridge" and matrix modification by chondroitinase allows robust, functional regeneration beyond a hemisection lesion of the adult rat spinal cord.](#)

Houle JD, Tom VJ, Mayes D, Wagoner G, Phillips N, Silver J.

Journal of Neuroscience 2006 Jul; 26(28):7405.

## Pathway

- [Glycosaminoglycan degradation](#)
- [Lysosome](#)
- [Metabolic pathways](#)

## Disease

- [Tobacco Use Disorder](#)