

Datasheet for ABIN952441
anti-GALNS antibody (Middle Region)[Go to Product page](#)

4 Images

Overview

Quantity:	0.4 mL
Target:	GALNS
Binding Specificity:	AA 243-271, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 243-271 amino acids from the Central region of human GALNS
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human GALNS (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GALNS
Alternative Name:	GALNS (GALNS Products)
Background:	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-

Target Details

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].Synonyms: Chondroitinase, Chondroitinsulfatase, EC=3.1.6.4, GalNAc6S sulfatase, Galactose-6-sulfate sulfatase, N-acetylgalactosamine-6-sulfatase, N-acetylgalactosamine-6-sulfate sulfatase

Molecular Weight: 58026 Da

Gene ID: 2588

NCBI Accession: [NP_000503](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

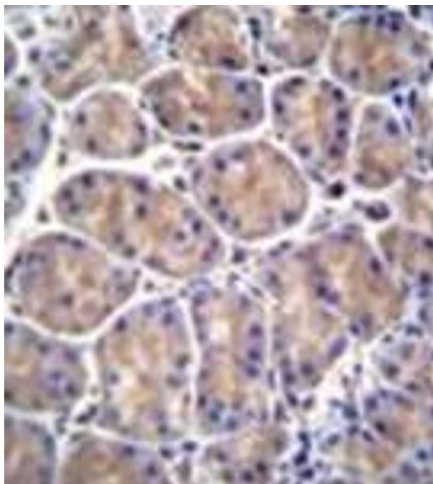
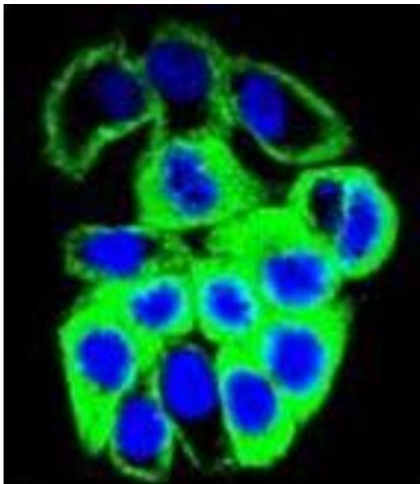
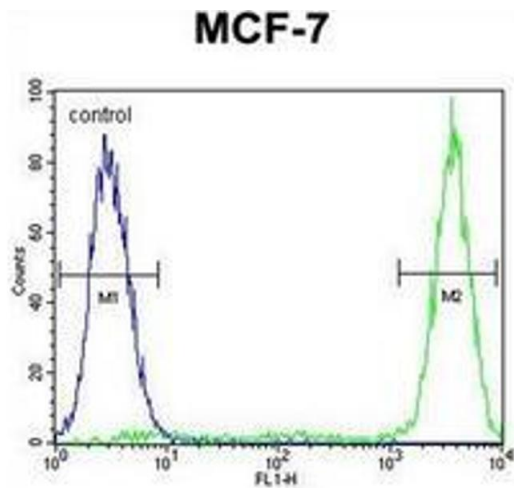
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of MCF-7 cells using GALNS Antibody (Center) Cat.-No AP51765PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Confocal immunofluorescent analysis of GALNS Antibody (Center) Cat.-No AP51765PU-N with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue reacted with GALNS Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN952441.