

Datasheet for ABIN5003145

anti-GALNS antibody (AA 1-100) (AbBy Fluor® 680)[Go to Product page](#)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | GALNS |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GALNS antibody is conjugated to AbBy Fluor® 680 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human GALNS |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | GALNS |
| Alternative Name: | GALNS (GALNS Products) |
| Background: | Synonyms: Chondroitinase, Chondroitinsulfatase, FLJ00319, FLJ17434, FLJ42844, FLJ98217, |

Target Details

Galactosamine N acetyl 6 sulfate sulfatase, Galactose 6 sulfate sulfatase, GALNAC6S, GalNAc6S sulfatase, GAS, mFLJ00319, MPS4A, N acetylgalactosamine 6 sulfatase, N acetylgalactosamine 6 sulfate sulfatase, GALNS_HUMAN.

Background: Chondroitinase is a 522 amino acid protein that localizes to the lysosome and functions as an exohydrolase that is essential for the degradation of glycosaminoglycans, keratan sulfate and chondroitin 6-sulfate. Using calcium as a cofactor, Chondroitinase, which exists as a disulfide linked oligomer, catalyzes the hydrolysis of the 6-sulfate group on target substrates. Defects in the gene encoding Chondroitinase are the cause of mucopolysaccharidosis type 4A (MPS4A), an autosomal recessive lysosomal storage disease that is characterized by the intracellular accumulation of keratan sulfate and chondroitin-6-sulfate and is associated with dental anomalies, short stature and, in some cases, death in the second or third decade of life.

Gene ID: 2588

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months