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Datasheet for ABIN1714381
anti-GNS antibody (AA 1-100)

Overview

Quantity:	100 µL
Target:	GNS
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNS antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNS/Glucosamine 6 sulfatase
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GNS
Alternative Name:	Glucosamine 6 sulfatase (GNS Products)

Target Details

Background: Synonyms: 2610016K11Rik, AU042285, C87209, G6S, Glucosamine N-acetyl 6 sulfatase, Glucosamine 6 sulfatase, Glucosamine-6-sulfatase, GNS, GNS_HUMAN, MGC21274, N-acetylglucosamine 6 sulfatase [Precursor], N-acetylglucosamine-6-sulfatase, N28088.

Background: GNS is a 552 amino acid lysosomal enzyme that hydrolyzes the 6-sulfate groups of the N-acetyl-D-glucosamine 6-sulfate units of keratan sulfate and heparan sulfate. A member of the sulfatase family, GNS assists in the catabolism of heparin, and binds calcium as a cofactor. GNS deficiency results in an autosomal recessive lysosomal storage disorder known as mucopolysaccharidosis type IIID (Sanfilippo D syndrome), which is characterized by mild somatic disease and severe degeneration of the central nervous system. Subject to post-translational internal peptidase cleavage, GNS is encoded by a gene mapping to human chromosome 12q14.2 and mouse chromosome 10 D2.

Gene ID: 2799

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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: 4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months