

ARG58783 anti-GNS antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GNS
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GNS
Species	Human
Immunogen	Recombinant protein corresponding to W238-R355 of Human GNS.
Conjugation	Un-conjugated
Alternate Names	G6S; EC 3.1.6.14; Glucosamine-6-sulfatase; N-acetylglucosamine-6-sulfatase

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

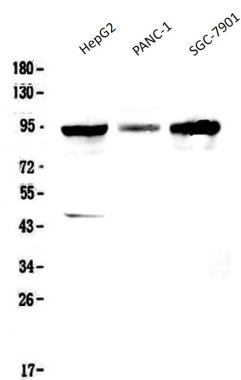
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

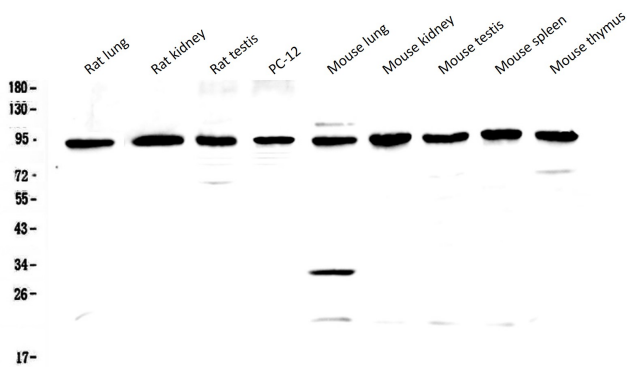
Gene Symbol	GNS
Gene Full Name	glucosamine (N-acetyl)-6-sulfatase
Background	The product of this gene is a lysosomal enzyme found in all cells. It is involved in the catabolism of heparin, heparan sulphate, and keratan sulphate. Deficiency of this enzyme results in the accumulation of undegraded substrate and the lysosomal storage disorder mucopolysaccharidosis type IIID (Sanfilippo D syndrome). Mucopolysaccharidosis type IIID is the least common of the four subtypes of Sanfilippo syndrome. [provided by RefSeq, Jul 2008]
Calculated Mw	62 kDa
PTM	The form A (78 kDa) is processed by internal peptidase cleavage to a 32 kDa N-terminal species (form B) and a 48 kDa C-terminal species. 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. [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



ARG58783 anti-GNS antibody WB image

Western blot: 50 µg of samples under reducing conditions. HepG2, PANC-1 and SGC-7901 cell lysates stained with ARG58783 anti-GNS antibody at 0.5 µg/ml, overnight at 4°C.



ARG58783 anti-GNS antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat lung, Rat kidney, Rat testis, PC-12, Mouse lung, Mouse kidney, Mouse testis, Mouse spleen and Mouse thymus lysates stained with ARG58783 anti-GNS antibody at 0.5 µg/ml, overnight at 4°C.