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SGSH Antibody (C-Term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9579b

Product Information

Application	WB, E
Primary Accession	P51688
Other Accession	NP_000190
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24406
Calculated MW	56695
Antigen Region	420-449

Additional Information

Gene ID	6448
Other Names	N-sulphoglucosamine sulphohydrolase, Sulfoglucosamine sulfamidase, Sulphamidase, SGSH, HSS
Target/Specificity	This SGSH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 420-449 amino acids from the C-terminal region of human SGSH.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SGSH Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SGSH
Synonyms	HSS
Function	Catalyzes a step in lysosomal heparan sulfate degradation.

Cellular Location Lysosome.

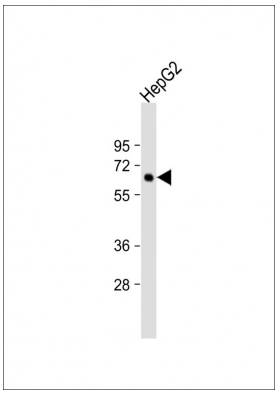
Background

SGSH is one of several enzymes involved in the lysosomal degradation of heparan sulfate. Mutations in this gene are associated with Sanfilippo syndrome A, one type of the lysosomal storage disease mucopolysaccaridosis III, which results from impaired degradation of heparan sulfate. Transcripts of varying sizes have been reported but their biological validity has not been determined.

References

?Sleat, D.E., et al. Mol. Cell Proteomics 5(4):686-701(2006)
?Bekri, S., et al. J. Inherit. Metab. Dis. 28(4):601-602(2005)
?Muschol, N., et al. Hum. Mutat. 23(6):559-566(2004)
?Zhang, H., et al. Nat. Biotechnol. 21(6):660-666(2003)

Images



Anti-SGSH Antibody (C-Term) at 1:4000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.