

For Research Use Only

SGSH Polyclonal antibody

Catalog Number: 14184-1-AP **1 Publications**



Basic Information

Catalog Number: 14184-1-AP	GenBank Accession Number: BC047318	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 6448	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P51688	
Isotype: IgG	Full Name: N-sulfoglucosamine sulfohydrolase	
Immunogen Catalog Number: AG5435	Calculated MW: 57 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, Transfected
Cited Applications: WB, IF	IHC : human pancreas cancer tissue, human liver cancer tissue
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SGSH(N-sulphoglucosamine sulphohydrolase) is also named as HSS, sulphamidase and belongs to the sulfatase family. Sulfamidase is synthesized as a 62 kDa precursor protein, which is modified with mannose 6-phosphate (M6P) residues, allowing their recognition by mannose-6-phosphate receptors in the Golgi complex and ensuring transport to the endosomal/Lysosomal system(PMID:21671382). It catalyzes the third step of degradation of glucosaminoglycans and is required for the degradation of heparan sulphate. Defects in SGSH are the cause of mucopolysaccharidosis type 3A (MPS3A), also known as Sanfilippo syndrome A.

Notable Publications

Author	Pubmed ID	Journal	Application
Bo Jiang	38354943	Exp Eye Res	WB,IF

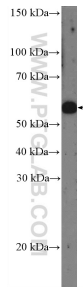
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

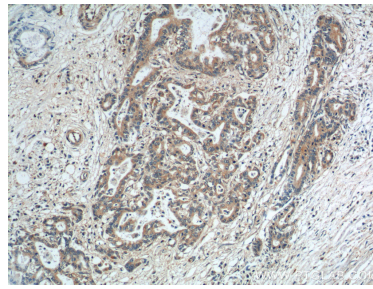
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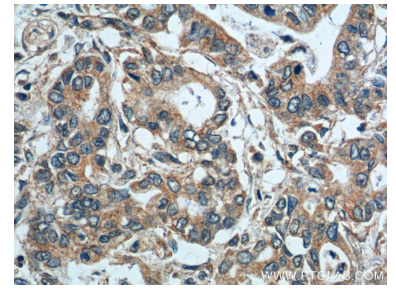
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14184-1-AP (SGSH Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 14184-1-AP (SGSH Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 14184-1-AP (SGSH Antibody) at dilution of 1:200 (under 40x lens).