

SGSH Polyclonal Antibody

Catalog number: 14184-1-AP

Size: 21 µg/150 µl

Source: Rabbit

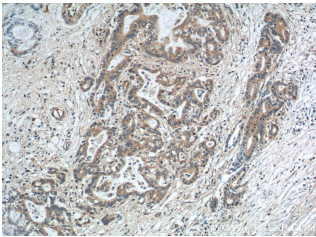
Isotype: IgG

Synonyms:

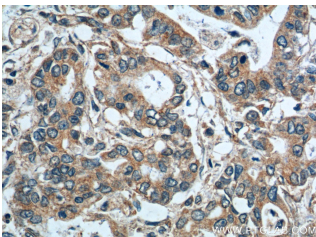
SGSH; HSS, MPS3A, SFMD,

SGSH, Sulfolglucosamine

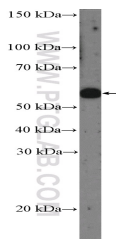
sulfamidase, Sulphamidase



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



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



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14184-1-AP (SGSH Antibody) at dilution of 1:600

Background

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.

Applications

Tested applications:	ELISA, IHC, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated SGSH MW:	57 kDa
Observed SGSH MW:	
Positive WB detected in	HEK-293 cells, Transfected HEK-293 cells
Positive IHC detected in	Human pancreas cancer tissue, human liver cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5435
GenBank accession number:	BC047318
Gene ID (NCBI):	6448
Full name:	N-sulfolglucosamine sulfohydrolase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.