

SGSH Rabbit pAb

Catalog Number: bs-11756R

Target Protein: SGSH

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:100-500), **IF** (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:&nbsp;Dog)

Predicted MW: 55 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 6448

Swiss Prot: P51688

Source: KLH conjugated synthetic peptide derived from human Sulphamidase: 301-388/502.

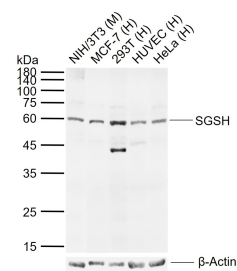
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

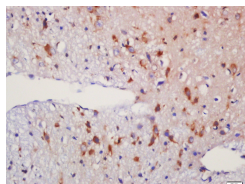
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Sulfatases are enzymes that hydrolyse a diverse range of sulfate esters. Deficiency of lysosomal sulfatases leads to human diseases characterized by the accumulation of either GAGs (glycosaminoglycans) or sulfolipids. Sulfamidase, also known as HSS, SFMD, MPS3A or SGSH, is a 502 amino acid lysosome that belongs to the sulfatase family. It has been suggested that sulfamidase may be involved in the lysosomal degradation of heparan sulfate. Defects in the gene encoding sulfamidase are the cause of Sanfilippo syndrome A, an autosomal recessive lysosomal storage disease caused by impaired degradation of heparan sulfate. Sanfilippo syndrome A is characterized by severe central nervous system degeneration but relatively mild somatic manifestations.

VALIDATION IMAGES



Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Human MCF-7 cell lysates Lane 3: Human 293T cell lysates Lane 4: Human HUVEC cell lysates Lane 5: Human HeLa cell lysates Primary: Anti-SGSH (bs-11756R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kDa Observed band size: 60 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-SGSH Polyclonal Antibody, Unconjugated(bs-11756R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=14.404] Wu, Jianjun. et al. ROS-responsive PPGF nanofiber membrane as a drug delivery system for long-term drug release in attenuation of osteoarthritis. NPJ REGEN MED. 2022 Nov;7(1):1-15 IF ; Rat . 36323709