Datasheet for ABIN1411034

anti-SGSH antibody (AA 301-388) (HRP)

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Overview

Quantity:	100 µL
Target:	SGSH
Binding Specificity:	AA 301-388
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGSH antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Sulphamidase
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog
Purification:	Purified by Protein A.

Target Details

Target:	SGSH
Alternative Name:	SGSH/Sulphamidase (SGSH Products)

Target Details

Background:	Synonyms: HSS, SFMD, MPS3A, N-sulphoglucosamine sulphohydrolase, Sulfoglucosamine sulfamidase, Sulphamidase, SGSH 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.
Gene ID:	6448
UniProt:	P51688
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months