

ARG42191 anti-IDS / Iduronate 2 Sulfatase antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IDS / Iduronate 2 Sulfatase
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IDS / Iduronate 2 Sulfatase
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 430-448 of Human IDS / Iduronate 2 Sulfatase. (ELCREGKNLLKHFRFRDLE)
Conjugation	Un-conjugated
Alternate Names	Alpha-L-iduronate sulfate sulfatase; Iduronate 2-sulfatase; Idursulfase; SIDS; EC 3.1.6.13; MPS2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa, SMMC-7721, A549, MCF7 and COLO	
Observed Size	~ 62 kDa	

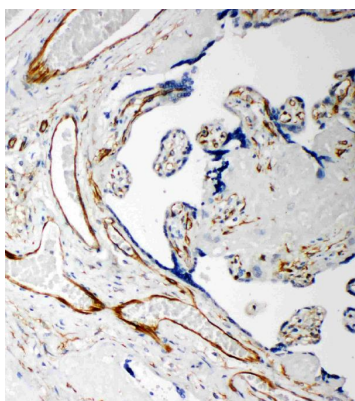
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

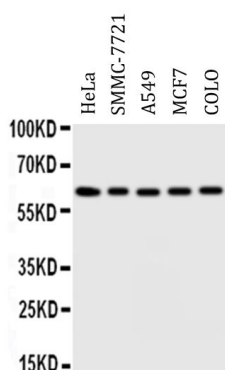
Gene Symbol	IDS
Gene Full Name	iduronate 2-sulfatase
Background	This gene encodes a member of the sulfatase family of proteins. The encoded preproprotein is proteolytically processed to generate two polypeptide chains. This enzyme is involved in the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations in this gene are associated with the X-linked lysosomal storage disease mucopolysaccharidosis type II, also known as Hunter syndrome. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]
Function	Lysosomal enzyme involved in the degradation pathway of dermatan sulfate and heparan sulfate. [UniProt]
Calculated Mw	62 kDa
PTM	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



ARG42191 anti-IDS / Iduronate 2 Sulfatase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue stained with ARG42191 anti-IDS / Iduronate 2 Sulfatase antibody.



ARG42191 anti-IDS / Iduronate 2 Sulfatase antibody WB image

Western blot: HeLa, SMMC-7721, A549, MCF7 and COLO cell lysates stained with ARG42191 anti-IDS / Iduronate 2 Sulfatase antibody.