

Goat IDS Polyclonal Antibody | anti-IDS antibody

Goat Polyclonal to Human IDS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51294	Goat	Gibbon, Gorilla, Human, Monkey	ELISA, Western Blot, Immunohistochemistry

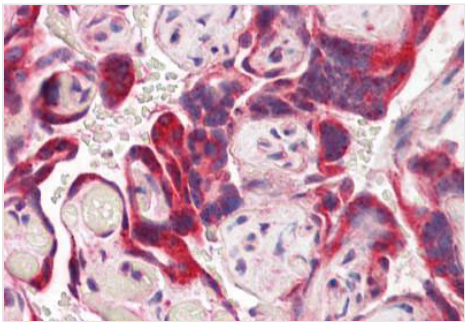
PRODUCT SYNONYMS

IDS; Polyclonal Antibody; Goat Polyclonal to Human IDS; Anti-IDS Antibody (Internal) IHC-plus; Idursulfase; SIDS; Iduronate 2-sulfatase; MPS2; Human IDS; anti-IDS antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Gorilla, Human, Monkey
Clonality	Polyclonal
Specificity	Human IDS. This antibody is expected to recognize isoform a (NP_000193.1).
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	550
Applicable Applications for anti-IDS antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-KHFRFRDLEEDP from an internal region of human IDS (NP_000193.1). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Panda (83%).
Immunogen Type	Synthetic peptide
Immunogen	IDS antibody was raised against synthetic peptide C-KHFRFRDLEEDP from an internal region of human IDS (NP_000193.1). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Panda (83%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-IDS antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 3.75 ug/ml.

WB (Western Blot)
IDS antibody (0.1 ug/ml) staining of Human Liver lysate (35 ug protein/ml in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-IDS antibody	Iduronate-2-sulfatase is required for the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations in this X-chromosome gene that result in enzymatic deficiency lead to the sex-linked Mucopolysaccharidosis Type II, also known as Hunter Syndrome. Iduronate-2-sulfatase has a strong sequence homology with human arylsulfatases A, B, and C, and human glucosamine-6-sulfatase. A splice variant of this gene has been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557659
NCBI GeneID	3423
NCBI Accession #	NP_000193.1
NCBI GenBank Nucleotide #	NM_000202.6
UniProt Accession #	P22304; Q14604; Q9BRM3; D3DWT4
Molecular Weight	34,893 Da
NCBI Official Full Name	iduronate 2-sulfatase isoform a preproprotein
NCBI Official Synonym Full Names	iduronate 2-sulfatase
NCBI Official Symbol	IDS
NCBI Official Synonym Symbols	MPS2; SIDS
NCBI Protein Information	iduronate 2-sulfatase; idursulfase; iduronate 2-sulfatase 14 kDa chain; iduronate 2-sulfatase 42 kDa chain; alpha-L-iduronate sulfate sulfatase
UniProt Protein Name	Iduronate 2-sulfatase
UniProt Gene Name	IDS
UniProt Synonym Gene Names	SIDS; Idursulfase
UniProt Entry Name	IDS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.