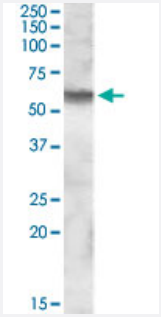
IDS polyclonal antibody

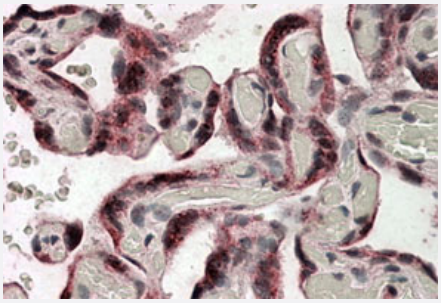
Catalog # PAB19674 Size 100 ug

Applications



Western Blot (Tissue lysate)

IDS polyclonal antibody (Cat # PAB19674) (0.1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

IDS polyclonal antibody (Cat # PAB19674) (3.8 ug/mL) staining of paraffin embedded human placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of IDS.
Immunogen	A synthetic peptide corresponding to internal region of human IDS.
Sequence	C-KHFRFRDLEEDP
Host	Goat
Theoretical MW (kDa)	61.9
Reactivity	Human
Specificity	This antibody is expected to recognize isoform a (NP_000193.1).

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — IDS

Entrez GeneID	3423
Protein Accession#	NP_000193.1
Gene Name	IDS
Gene Alias	MPS2, SIDS
Gene Description	iduronate 2-sulfatase
Omim ID	309900

Gene Ontology	Hyperlink
Gene Summary	Iduronate-2-sulfatase is required for the lysosomal degradation of heparan sulfate and dermatan s ulfate. Mutations in this X-chromosome gene that result in enzymatic deficiency lead to the sex-lin ked 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-sulf atase. A splice variant of this gene has been described. [provided by RefSeq
Other Designations	Hunter syndrome|OTTHUMP00000024207|OTTHUMP00000024210|alpha-L-iduronate sulfate sul fatase|iduronate-2-sulfatase|idursulfase

Pathway

- Glycosaminoglycan degradation
- Lysosome
- Metabolic pathways

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema