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Goat Anti-IDS Antibody

Peptide-affinity purified goat antibody

Catalog # AF1553a

Specification

Goat Anti-IDS Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P22304
Other Accession	NP_000193, 3423
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**61873**

Goat Anti-IDS Antibody - Additional Information

Gene ID 3423

Other Names
Iduronate 2-sulfatase, 3.1.6.13, Alpha-L-iduronate sulfate sulfatase, Idursulfase, Iduronate 2-sulfatase 42 kDa chain, Iduronate 2-sulfatase 14 kDa chain, IDS, SIDS

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-IDS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-IDS Antibody - Protein Information

Name IDS

Synonyms SIDS

Function
Lysosomal enzyme involved in the degradation pathway of dermatan sulfate and heparan sulfate.

Cellular Location
Lysosome.

Tissue Location
Liver, kidney, lung, and placenta.

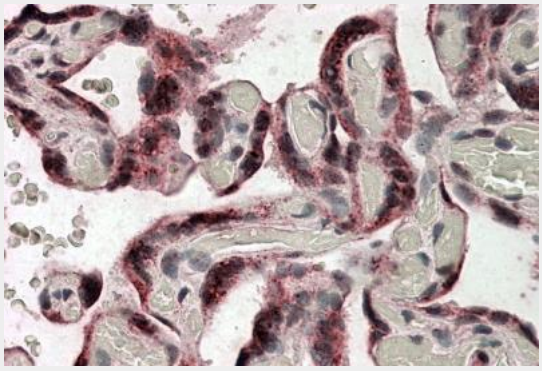
Goat Anti-IDS Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-IDS Antibody - Images

AF1553a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1553a (3.8 µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-IDS Antibody - Background

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 similarity with human arylsulfatases A, B, and C, and human glucosamine-6-sulfatase. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described.

Goat Anti-IDS Antibody - References

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[Identification of a novel mutation of IDS gene from a Chinese pedigree with MPS II] GUO YB, et al. Yi Chuan, 2009 Nov. PMID 19933090.
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