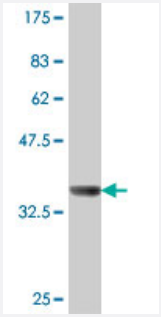
IDS polyclonal antibody (A01)

Catalog # H00003423-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant IDS.
Immunogen	IDS (NP_000193, 38 a.a. ~ 137 a.a) partial recombinant protein with GST tag.
Sequence	NVLLIIVDDLRPSLGCYGDKLVRSPNIDQLASHSLLFQNAFAQQAVCAPSRVSFLTGRRPDTTRLY DFNSYWRVHAGNFSTIPQYFKENGYVTMSVGKVF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — IDS

Entrez GeneID	3423
GeneBank Accession#	NM_000202
Protein Accession#	NP_000193
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

Publication Reference

- In Vitro recapitulation of the site-specific editing (to Wild-Type) of mutant IDS mRNA transcripts, and characterization of IDS protein translated from the edited mRNAs.

  Lualdi S, Zotto GD, Zegarra-Moran O, Pedemonte N, Corsolini F, Bruschi M, Tomati V, Amico G, Candiano G, Dardis A, Cooper DN, Filocamo M.

  Human Mutation 2017 Jul; 38(7):849.

  Application: WB, IP, Human, Lymphoblasts from Hunter syndrome patients

Pathway

- Glycosaminoglycan degradation
- Lysosome
- Metabolic pathways

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema