

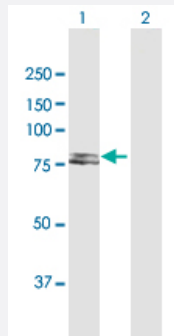
MaxPab®

IDS purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003423-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of IDS expression in transfected 293T cell line ([H00003423-T02](#)) by IDS MaxPab polyclonal antibody.

Lane 1: IDS transfected lysate (61.90 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IDS protein.
Immunogen	IDS (NP_000193.1, 1 a.a. ~ 550 a.a) full-length human protein.
Sequence	MPPPRTRGRLLWLGLVLSSVCVALGSETQANSTTDALNVLLIIVDDLRLPSLGCYGDKLVRSPNIDQ LASHSLLFQNAFAQQAVCAPSRVSFLTGRRPDTTRL YDFNSYWRVHAGNFSTIPQYFKENGYVTM SVGKVFHPGISSNHTDDSPYSWSFPPYHPSSEKYENTKTCRPGDGELHANLLCPVDVLDVPEGT LPDKQSTEQAQLLEKMKTSASPFFLAVGYHKPHIPFRYPKEFQKLYPLENITLAPDPEVPDGLPPV AYNPWMDIRQREDVQALNISVPYGPVPDFQRKIRQSYFASVSYLDTQVGRLLSALDDLQLANSTIA FTSDHGWALGEHGEWAKYSNFDVATHVPLIFYVPGRTASLPEAGEKLFPYLDPFDSASQLMEPG RQSMDLVELVSLFPTLAGLAGLQVPPRCVPVSFHVLCREGKNLLKHFRFRDLEEDPYLPGNPR ELIAYSQYPRPSDIPQWNSDKPSLKD IKIMGYSIRTIDYRYTVWVGFPNDEF LANFSDIHAGELYFVD SDPLQDHNMYNDSQGGDLFQLLMP
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

Gene Info — IDS

Entrez GeneID[3423](#)**GeneBank Accession#**[NM_000202.2](#)**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 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. [provided by RefSeq]

Other Designations

Hunter syndrome|OTTHUMP00000024207|OTTHUMP00000024210|alpha-L-iduronate sulfate sulfatase|iduronate-2-sulfatase|idursulfase

Publication Reference

- [In vitro recapitulation of the site-specific editing \(to wild-type\) of mutant IDS mRNA transcripts, and the characterization of IDS protein translated from the edited mRNAs.](#)

Lualdi S, Del Zotto G, 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: IP, WB, Human, Lymphoblasts

Pathway

- [Glycosaminoglycan degradation](#)
- [Lysosome](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)