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Product datasheet for TA504276

Iduronate 2 sulfatase (IDS) Mouse Monoclonal Antibody [Clone ID: OTI3B10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IDS(NP_000193) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.79 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.2 kDa
Gene Name:	iduronate 2-sulfatase
Database Link:	NP_000193 Entrez Gene 15931 MouseEntrez Gene 3423 Human P22304
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. [provided by RefSeq]

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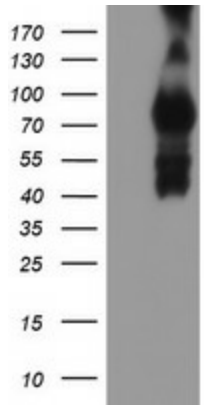
Synonyms: MPS2; SIDS

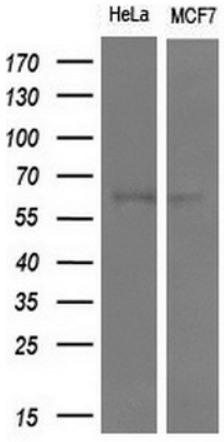
Protein Families: Druggable Genome

Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

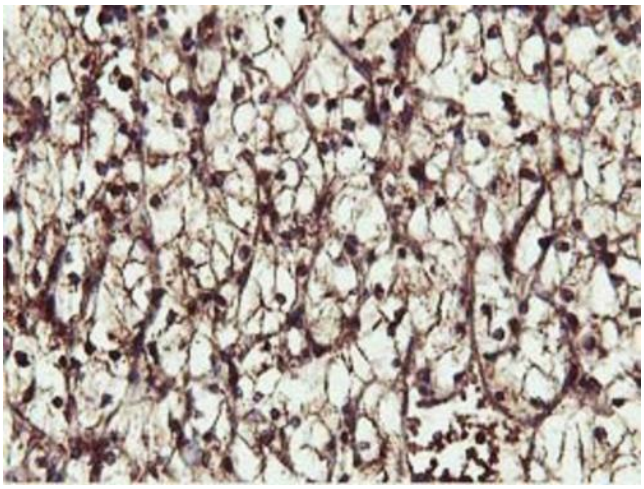
Product images:



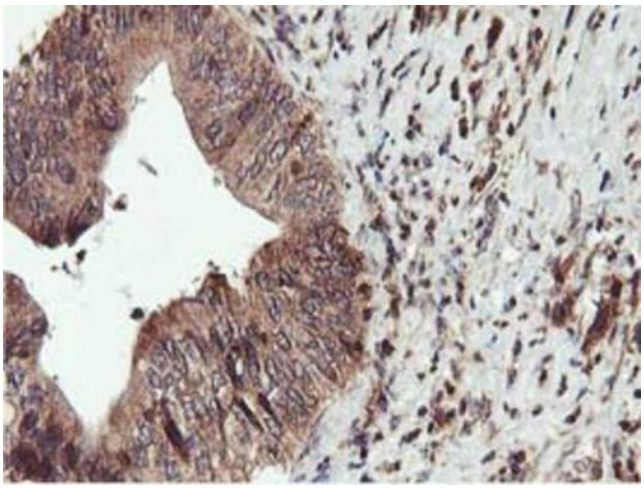
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IDS ([RC219187], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IDS. Positive lysates [LY424863] (100ug) and [LC424863] (20ug) can be purchased separately from OriGene.



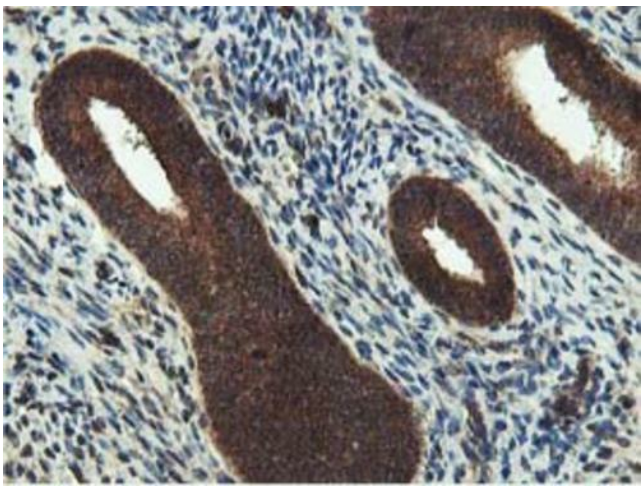
Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-IDS monoclonal antibody at 1:200 dilution.



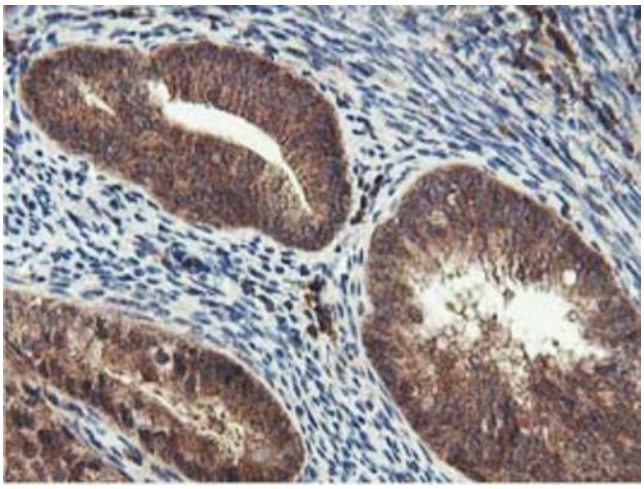
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-IDS mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



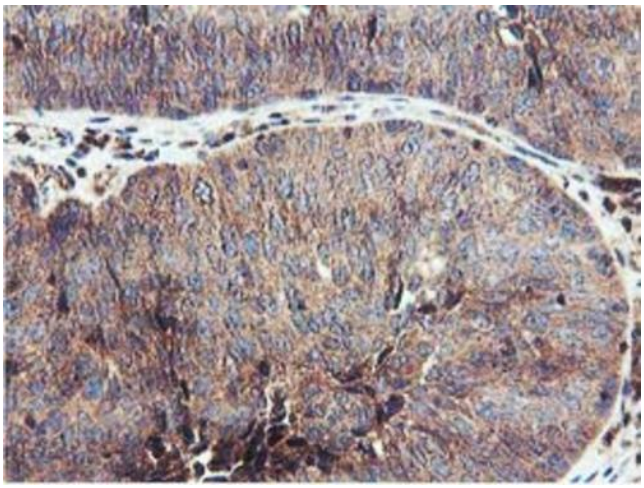
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-IDS mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



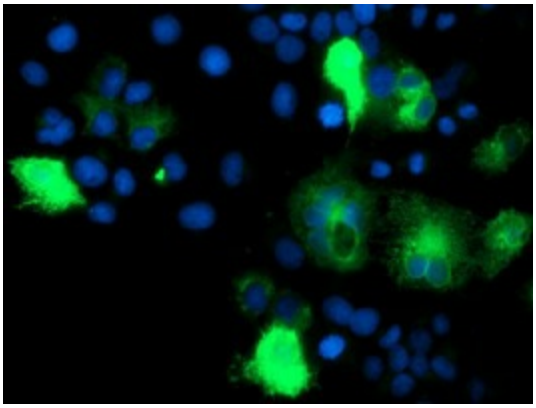
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-IDS mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



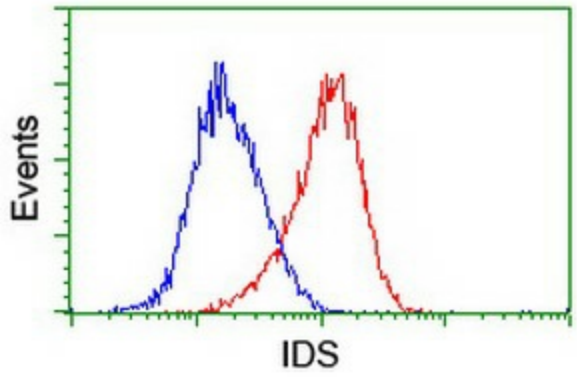
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-IDS mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



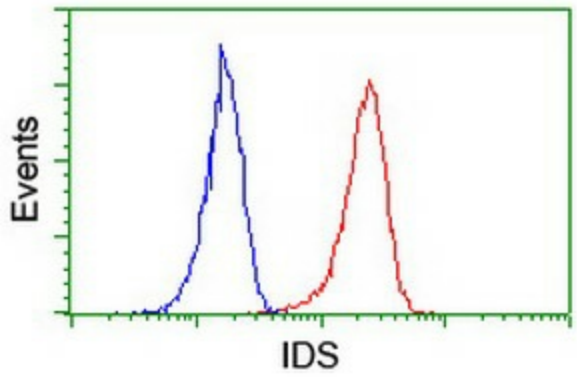
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-IDS mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-IDS mouse monoclonal antibody (TA504276) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY IDS ([RC219187]).



Flow cytometric Analysis of Hela cells, using anti-IDS antibody (TA504276), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-IDS antibody (TA504276), (Red), compared to a nonspecific negative control antibody, (Blue).