

For Research Use Only

IDS Polyclonal antibody

Catalog Number: 29375-1-AP



Basic Information

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|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|
| Catalog Number: 29375-1-AP | GenBank Accession Number: BC006170 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop; | GeneID (NCBI): 3423 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | Full Name: iduronate 2-sulfatase | |
| Isotype: IgG | Calculated MW: 312aa,35 kDa; 550aa,62 kDa | |
| Immunogen Catalog Number: AG31132 | Observed MW: 65-72 kDa | |

Applications

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|--------------------------------------------------|------------------------------------------------------------------------|
| Tested Applications: WB, ELISA | Positive Controls: WB : mouse brain tissue, rat brain tissue |
| Species Specificity: Human, mouse, rat | |

Background Information

Iduronate 2-sulfatase (IDS) is required for the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations causing IDS deficiency in humans result in the lysosomal storage of these glycosaminoglycans and Hunter syndrome, an X chromosome-linked disease. IDS is synthesized as two precursor forms of 76 and 90 kDa that are converted, through a 62 kDa intermediate, to 55 and 45 kDa mature polypeptides due to an internal proteolytic cleavage (PMID: 10838181).

Storage

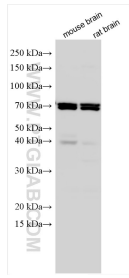
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29375-1-AP (IDS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.