

For Research Use Only

IDS Polyclonal antibody

Catalog Number: 29375-1-AP



Basic Information

Catalog Number: 29375-1-AP	GenBank Accession Number: BC006170	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 3423	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P22304	
Isotype: IgG	Full Name: iduronate 2-sulfatase	
Immunogen Catalog Number: AG31132	Calculated MW: 312aa,35 kDa; 550aa,62 kDa	
	Observed MW: 65-72 kDa	

Applications

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

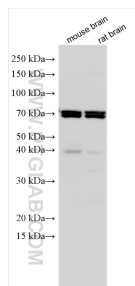
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.