

For Research Use Only

# iduronate 2 sulfatase Polyclonal antibody



Catalog Number: 17140-1-AP

## Basic Information

<b>Catalog Number:</b> 17140-1-AP	<b>GenBank Accession Number:</b> BC006170	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 173 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3423	
<b>Source:</b> Rabbit	<b>Full Name:</b> iduronate 2-sulfatase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 312aa,35 kDa; 550aa,62 kDa	
<b>Immunogen Catalog Number:</b> AG10904		

## Applications

**Tested Applications:**  
ELISA

**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