

## Anti-Iduronate 2 sulfatase/IDS Antibody Picoband®

Catalog Number: PA1917

### About IDS

IDS (Iduronate-2-sulfatase) is a sulfatase enzyme associated with Hunter syndrome. Iduronate 2-sulfatase is involved in the lysosomal degradation of the glycosaminoglycans heparan sulfate and dermatan sulfate. Wilson et al. (1991) used an IDS cDNA clone to localize the gene to Xq28, distal to the fragile X site. Faust et al. (1992) and Daniele et al. (1993) demonstrated that the homologous *Ids* gene in the mouse occupies the same position on the X chromosome in relation to the *FMR1*, *F9*, and *GABRA3* genes. 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.

### Overview

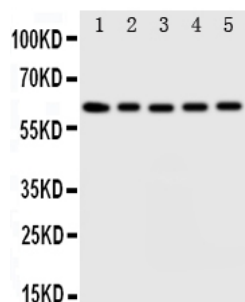
Product Name	Anti-Iduronate 2 sulfatase/IDS Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Iduronate 2 sulfatase/IDS Antibody catalog # PA1917. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P22304

### Technical Details

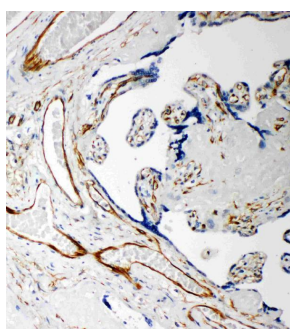
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Iduronate 2 sulfatase.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

## Anti-Iduronate 2 sulfatase/IDS Antibody Picoband® (PA1917) Images



Anti-Iduronate 2 sulfatase antibody, PA1917, Western blotting  
Lane 1: HELA Cell Lysate  
Lane 2: SMMC Cell Lysate  
Lane 3: A549 Cell Lysate  
Lane 4: MCF-7 Cell Lysate  
Lane 5: COLO Cell Lysate



Anti-Iduronate 2 sulfatase antibody, PA1917, IHC(P)  
Human Placenta Tissue

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Anti-Iduronate 2 sulfatase/IDS Antibody

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