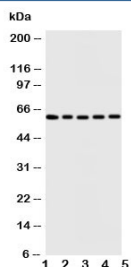


## Iduronate 2 sulfatase Antibody (R31017)

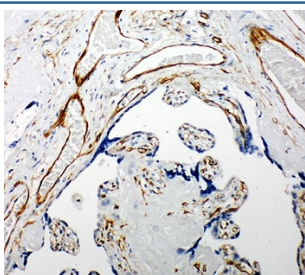
Catalog No.	Formulation	Size
R31017	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P22304
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Iduronate 2 sulfatase antibody is available for research use only.



Western blot testing of Iduronate 2 sulfatase antibody and Lane 1: HeLa; 2: SMMC-7721; 3: A549; 4: MCF-7; 5: COLO cell lysate. Predicted size ~62KD



IHC-P: Iduronate 2 sulfatase antibody testing of human placenta tissue

## Description

Iduronate 2 sulfatase (IDS) is an enzyme associated with Hunter syndrome. IDS 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. IDS 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-6sulfatase.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Iduronate 2 sulfatase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human IDS (ELCREGKNLLKHFRFRDLE) was used as the immunogen for this Iduronate 2 sulfatase antibody.

## Storage

After reconstitution, the Iduronate 2 sulfatase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.