

# Product Datasheet

## Iduronate 2-Sulfatase/IDS Antibody (OTI4G2) NBP2-01761

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP2-01761****Iduronate 2-Sulfatase/IDS Antibody (OTI4G2)**

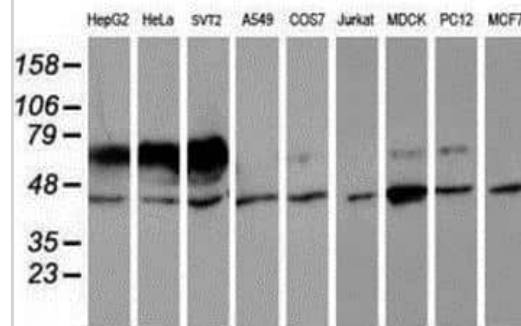
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.71 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI4G2
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	59.2 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Iduronate 2-Sulfatase/IDS Antibody (OTI4G2) (NBP2-01761) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Iduronate 2-Sulfatase/IDS Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3423
<b>Gene Symbol</b>	IDS
<b>Species</b>	Human, Mouse, Rat, Canine, Monkey
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human IDS(NP_000193) produced in HEK293T cell.

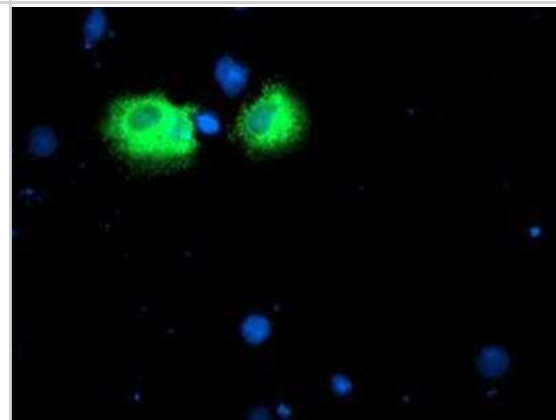
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

## Images

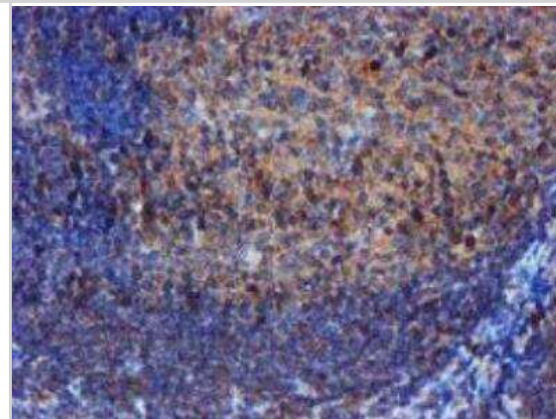
Western Blot: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Iduronate 2 sulfatase monoclonal antibody.



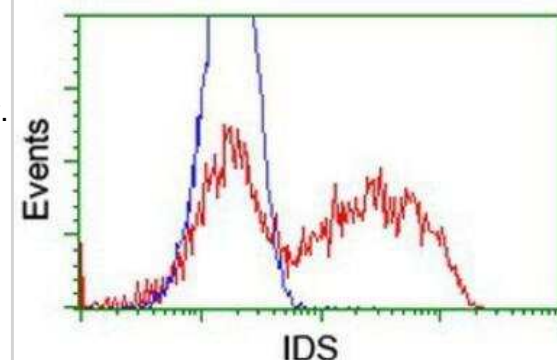
Immunocytochemistry/Immunofluorescence: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Iduronate 2 sulfatase.



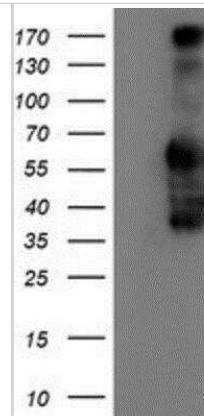
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Human tonsil.



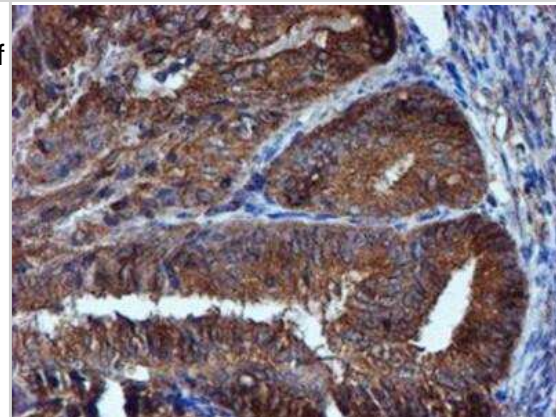
Flow Cytometry: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Iduronate 2 sulfatase antibody, and then analyzed by flow cytometry.



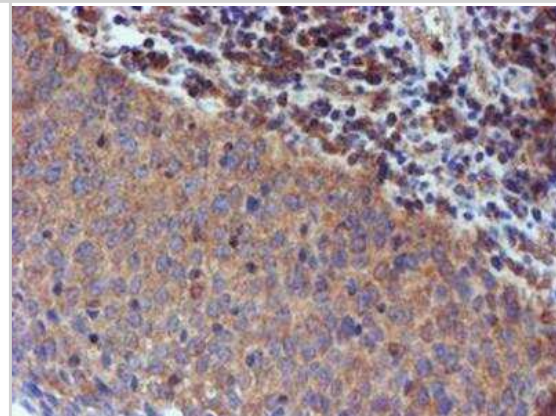
Western Blot: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Iduronate 2 sulfatase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Iduronate 2 sulfatase.



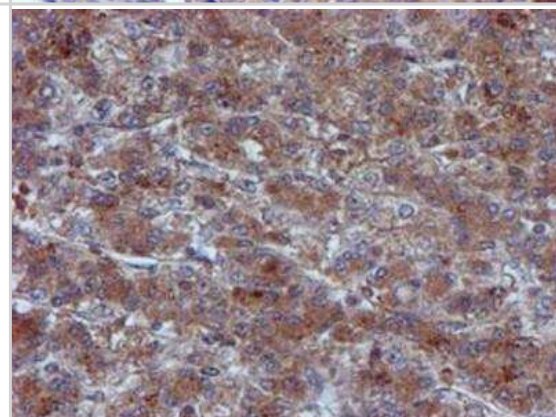
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



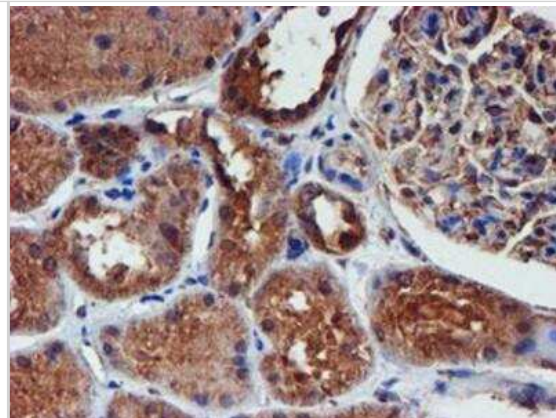
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



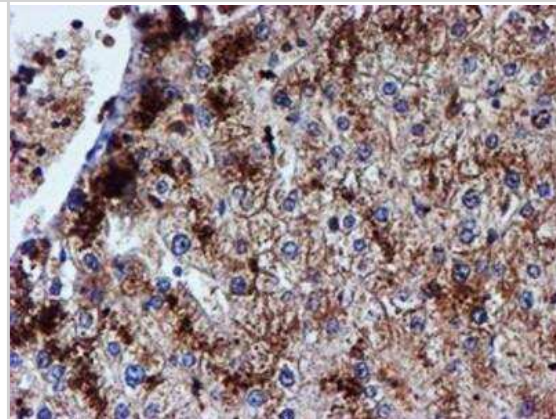
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



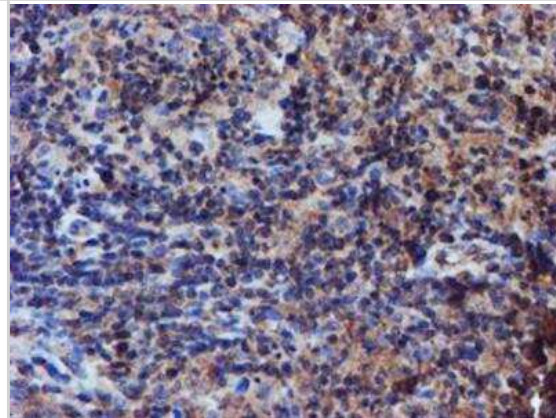
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Human Kidney tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



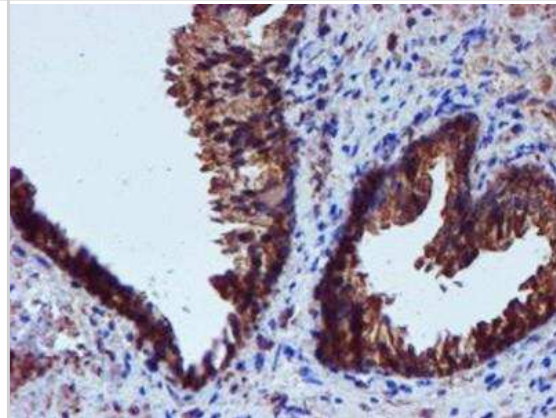
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Human liver tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



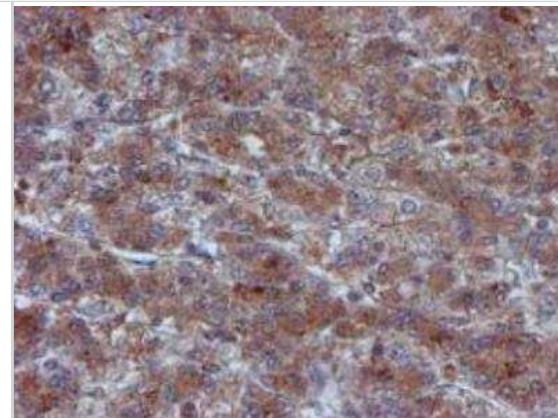
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Human lymphoma tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



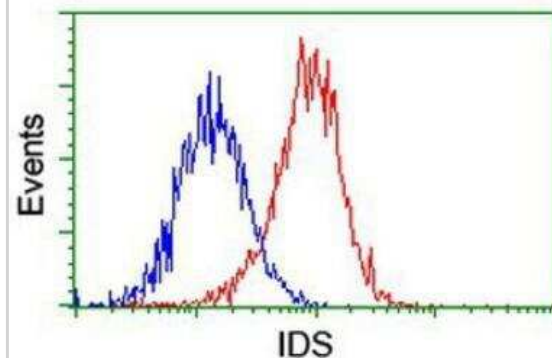
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Staining of paraffin-embedded Human prostate tissue using anti-Iduronate 2 sulfatase mouse monoclonal antibody.



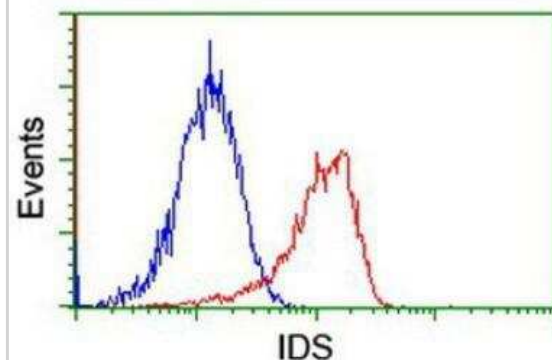
Immunohistochemistry-Paraffin: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Carcinoma of Human liver tissue.



Flow Cytometry: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Analysis of Hela cells, using anti-Iduronate 2 sulfatase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: Iduronate 2-Sulfatase/IDS Antibody (4G2) [NBP2-01761] - Analysis of Jurkat cells, using anti-Iduronate 2 sulfatase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



## Publications

Bellesso S, Salvalaio M, Lualdi S et al. FGF signaling deregulation is associated with early developmental skeletal defects in animal models for mucopolysaccharidosis type II (MPSII) Hum. Mol. Genet. 2018-04-10 [PMID: 29648648] (ICC/IF, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-01761**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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