

For Research Use Only

# IDUA Polyclonal antibody

Catalog Number: 55158-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 55158-1-AP	<b>GenBank Accession Number:</b> NM_000203	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3425	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> iduronidase, alpha-L-	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 73 kDa	
	<b>Observed MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue IHC : human prostate cancer tissue,
<b>Cited Applications:</b> IHC, IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

IDUA belongs to the glycosyl hydrolase 39 family. It hydrolysis of unsulfated alpha-L-iduronosidic linkages in dermatan sulfate. Defects in IDUA are the cause of mucopolysaccharidosis type 1H (MPS1H)( also known as Hurler syndrome), MPS1H/S(also known as Hurler-Scheie syndrome) and MPS1S(also known as Scheie syndrome), which are rare lysosomal storage diseases. This antibody is specific to IDUA.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pei He	34783964	Mol Cell Biochem	IP
Xiu Jin	35573046	Mol Ther Methods Clin Dev	WB
Zhengqi Wu	38146369	Front Immunol	WB,IHC

## Storage

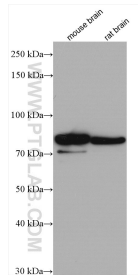
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

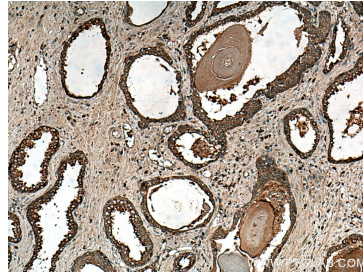
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

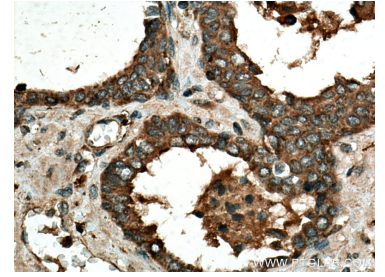
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55158-1-AP (IDUA antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 55158-1-AP (IDUA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 55158-1-AP (IDUA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).