

For Research Use Only

IDUA Polyclonal antibody

Catalog Number: 55158-1-AP

3 Publications



Basic Information

Catalog Number:

55158-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000203

GeneID (NCBI):

3425

UNIPROT ID:

P35475

Full Name:

iduronidase, alpha-L-

Calculated MW:

73 kDa

Observed MW:

73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human prostate cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

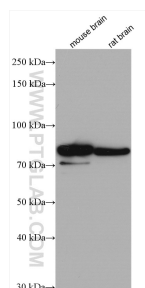
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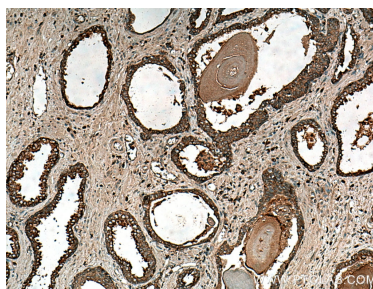
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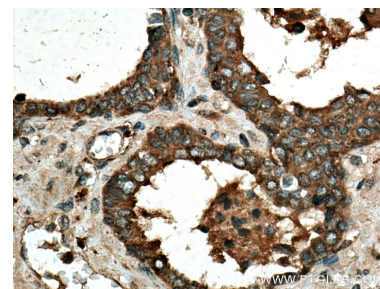
Selected Validation Data



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).