

For Research Use Only

HEXB Polyclonal antibody

Catalog Number: 16229-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

16229-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8683

GenBank Accession Number:

BC017378

GeneID (NCBI):

3074

UNIPROT ID:

P07686

Full Name:

hexosaminidase B (beta polypeptide)

Calculated MW:

556 aa, 63 kDa

Observed MW:

63-67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

Positive Controls:

WB : HEK-293 cells, mouse kidney tissue, Jurkat cells, HeLa cells, mouse lung tissue, rat kidney tissue

IHC : human kidney tissue,

Background Information

The HEXB (Beta-hexosaminidase subunit beta) gene encodes the beta subunit of the enzyme hexosaminidase, which is involved in the breakdown of gangliosides. It is responsible for the degradation of GM2 gangliosides, and has a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues. Refer to the domains of HEXB and glycosylation, there will be some different bands with MW 63-67 kDa precursor; 59-63 kDa signal peptide removed; 50-55 kDa subunit beta (or signal and propeptide removed); 20-25 kDa subunit beta chain B; ~30 kDa subunit beta chain A (Uniprot).

Notable Publications

Author	Pubmed ID	Journal	Application
Yajuan Zhao	34557495	Front Cell Dev Biol	WB,IHC
Sebastian Boland	36207292	Nat Commun	WB
Catrina Sims-Robinson	25976368	Mol Neurobiol	WB

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

For technical support and original validation data for this product please contact:

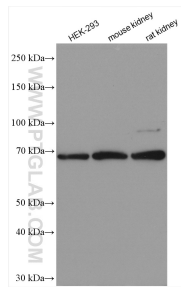
T: 4006900926

E: Proteintech-CN@ptglab.com

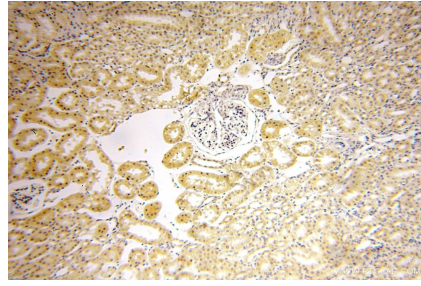
W: ptgcn.com

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

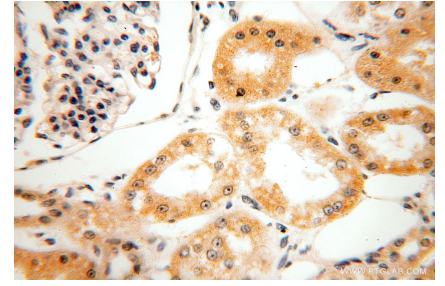
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16229-1-AP (HEXB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 16229-1-AP (HEXB antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 16229-1-AP (HEXB antibody) at dilution of 1:50 (under 40x lens).