

For Research Use Only

HEXA Polyclonal antibody

Catalog Number: 29259-1-AP



Basic Information

Catalog Number:

29259-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30808

GenBank Accession Number:

BC018927

GeneID (NCBI):

3073

UNIPROT ID:

P06865

Full Name:

hexosaminidase A (alpha polypeptide)

Calculated MW:

529 aa, 60 kDa

Observed MW:

50-54 kDa, 60-67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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, NIH/3T3 cells, HepG2 cells, Jurkat cells, PC-3 cells

IHC : human kidney tissue, human lung tissue

Background Information

Beta-hexosaminidase subunit alpha is involved in catalysis of degradation of the ganglioside GM2. Dysfunction of beta-hexosaminidase leads to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidosis. The enzyme is composed of two subunits, alpha and beta. This gene encodes alpha subunit of beta-hexosaminidase. Western blot with this antibody raised against HEXA detected 60 kDa (precursor) and 54 kDa (mature) size bands (PMID: 27682588, PMID: 30341570).

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:

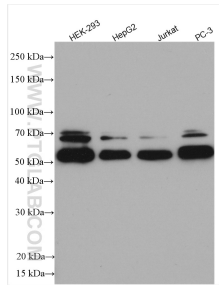
T: 4006900926

E: Proteintech-CN@ptglab.com

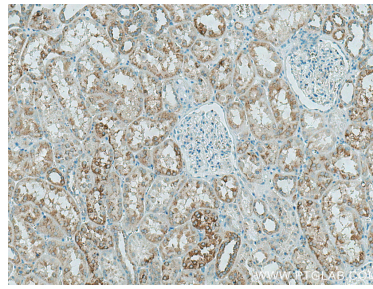
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29259-1-AP (HEXA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29259-1-AP (HEXA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).