

HEXA Monoclonal antibody

Catalog Number: 60337-1-Ig

Basic Information

Catalog Number:

60337-1-Ig

Size:

3900 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG1854

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:

Protein A purification

CloneNo.:

3A4F2

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

WB : HeLa cells, rabbit testis tissue, A431 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

Background Information

Beta-hexosaminidase subunit alpha is involved in catalysis of degradation of the ganglioside GM2. Disfunction 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:

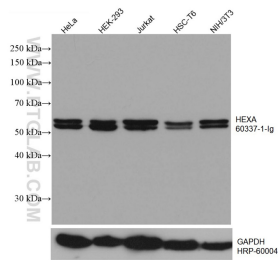
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60337-1-Ig (HEXA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.