

For Research Use Only

# HEXA Monoclonal antibody

Catalog Number: 60337-1-Ig



## Basic Information

### Catalog Number:

60337-1-Ig

### GenBank Accession Number:

BC018927

### Purification Method:

Protein A purification

### Size:

150ul, Concentration: 3900 ug/ml by Nanodrop and 1860 ug/ml by Bradford method using BSA as the standard;

### GeneID (NCBI):

3073

### CloneNo.:

3A4F2

### UNIPROT ID:

P06865

### Recommended Dilutions:

WB 1:5000-1:50000

### Source:

Mouse

### Full Name:

hexosaminidase A (alpha polypeptide)

### Isotype:

IgG2b

### Calculated MW:

529 aa, 60 kDa

### Immunogen Catalog Number:

AG1854

### Observed MW:

50-54 kDa, 60-67 kDa

## Applications

### Tested Applications:

WB, ELISA

### Positive Controls:

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

### Species Specificity:

human, mouse, rat, rabbit

## 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

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

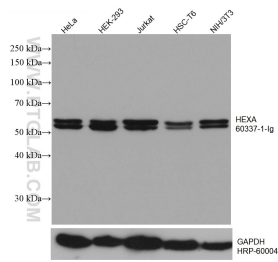
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## Selected Validation Data



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.