HEXA Polyclonal antibody

Catalog Number:**11317-1-AP**

Featured Product　　**7 Publications**

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Basic Information

Catalog Number:
11317-1-AP

Size:
150ul , Concentration: 240 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

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:
54 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, MCF-7 cells, PC-3 cells

IF/ICC : PC-3 cells,

Background Information

Beta-hexosaminidase subunit alpha (HEXA) 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 gangliosidoses. 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Sebastian Boland	36207292	Nat Commun	WB
Matthias Trost	19144319	Immunity	WB
Mengxian Jia	34422641	Front Oncol	IHC,IF,WB

Storage

Storage:
Store at -20℃. 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

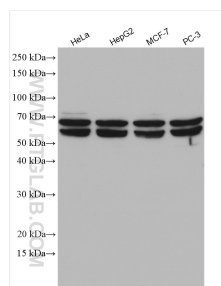***** 20ul sizes contain 0.1% BSA**

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 11317-1-AP (HEXA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.
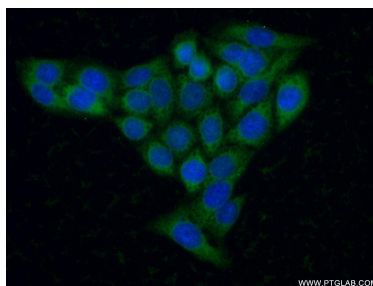
Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 11317-1-AP (HEXA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).