

For Research Use Only

ASPA Polyclonal antibody

Catalog Number: 13244-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

13244-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4029

GenBank Accession Number:

BC029128

GeneID (NCBI):

443

UNIPROT ID:

P45381

Full Name:

aspartoacylase (Canavan disease)

Calculated MW:

313 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : mouse brain tissue,

IHC : human gliomas tissue,

Background Information

ASPA(Aspartoacylase) also called aminoacylase-2, is an enzyme that hydrolyzes N-acetyl-L-aspartic acid (NAA) to aspartate and acetate. Human ASPA encodes a deduced 313-amino acid protein with a molecular mass of 36 kDa. It shares 92% sequence identity with the bovine protein and contains 1 potential N-glycosylation site and 5 phosphorylation sites. Defects in ASPA are the cause of Canavan disease (CAND). This protein can exist as a homodimer(18293939).

Notable Publications

Author	Pubmed ID	Journal	Application
Vasiliki-Ilya Gargareta	35543322	Elife	WB
Kaiyun Yao	35281914	Front Pharmacol	WB
Sophie B Siems	39344832	Glia	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

*** 20ul sizes contain 0.1% BSA

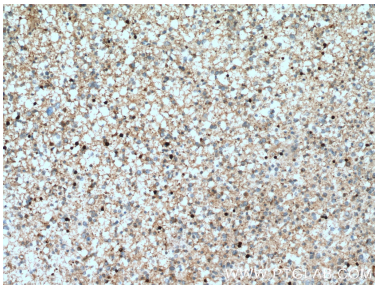
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

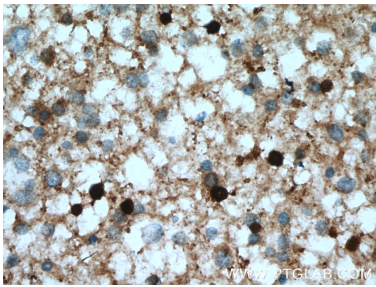
E: proteintech@ptglab.com
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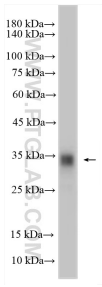
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13244-1-AP (ASPA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13244-1-AP (ASPA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13244-1-AP (ASPA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.