

For Research Use Only

ASPA Polyclonal antibody

Catalog Number: 13244-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 13244-1-AP	GenBank Accession Number: BC029128	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 443	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	Full Name: aspartoacylase (Canavan disease)	
Isotype: IgG	Calculated MW: 313 aa, 36 kDa	
Immunogen Catalog Number: AG4029	Observed MW: 36 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Hong Weng	37271807	Mil Med Res	WB,IHC,IF

Storage

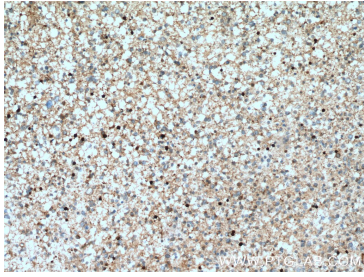
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

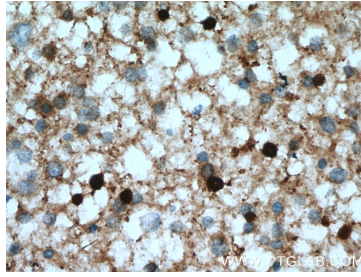
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

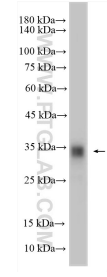
Selected Validation Data



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.