For Research Use Only

A2BP1 Polyclonal antibody

Catalog Number:22647-1-AP 1 Publications

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Basic Information

Catalog Number:
22647-1-AP

Size:
150ul , Concentration: 600 μg/ml by Nanodrop and 267 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18527

GenBank Accession Number:
BC113691

GeneID (NCBI):
54715

Full Name:
ataxin 2-binding protein 1

Calculated MW:
395 aa, 42 kDa

Observed MW:
45-70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
RIP, WB

Species Specificity:
human, mouse

Cited Species:
human

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 : Neuro-2a cells, mouse liver, mouse brain

IP : mouse brain tissue,

IHC : mouse brain tissue, human brain tissue

IF : mouse brain tissue,

Background Information

A2BP1, also named as FOX1 and HRNBP1, contains one RRM (RNA recognition motif) domain. A2BP1 recognizes a (U)GCAUG stretch in regulated exons or in flanking introns. The protein binds to the C-terminus of ataxin-2 and may contribute to the restricted pathology of spinocerebellar ataxia type 2 (SCA2). Ataxin-2 is the product of the SCA2 gene which causes familial neurodegenerative diseases. A2BP1 and ataxin-2 are both localized in the trans-Golgi network. This is a rabbit polyclonal antibody raised against the N terminus of human A2BP1.A2BP1 has two mouse isoforms (A2BP1-A016 and -A030) exogenously expressed in COS7 cells showed a molecular mass of 65 kDa, although the calculated molecular masses of A016 and A030 are 40 and 42 kDa, respectively in the course of cell biological study.

Notable Publications

Author	Pubmed ID	Journal	Application
Shuyuan Shen	32322670	Mol Ther Oncolytics	WB,RIP

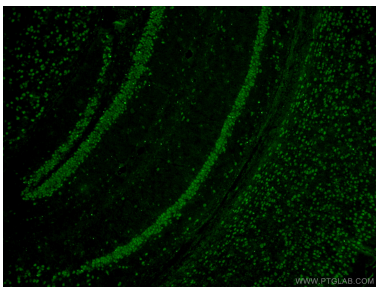
Storage

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

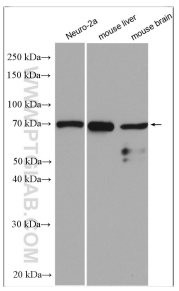
*** 20ul sizes contain 0.1% BSA

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

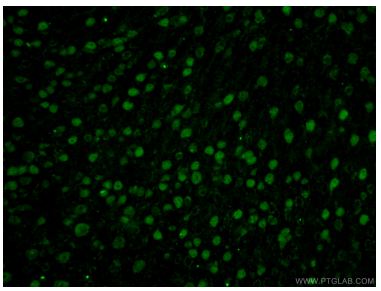
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 22647-1-AP (A2BP1 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 22647-1-AP (A2BP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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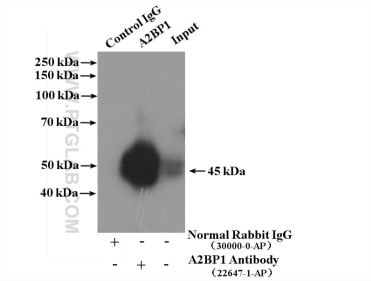
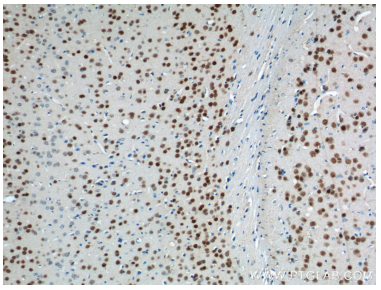


IP Result of anti-A2BP1 (IP:22647-1-AP, 4ug; Detection:22647-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22647-1-AP (A2BP1 Antibody) at dilution of 1:200 (under 10x lens).