For Research Use Only

A2BP1 Polyclonal antibody

Catalog Number:22647-1-AP Featured Product 2 Publications

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Basic Information

Catalog Number:
22647-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18527

GenBank Accession Number:
BC113691

GeneID (NCBI):
54715

UNIPROT ID:
Q9NWB1

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 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF-P 1:50-1:500

Applications

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

Cited Applications:
WB, IF, RIP

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,

IF-P : 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
Jiawei Chen	38414668	MedComm (2020)	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
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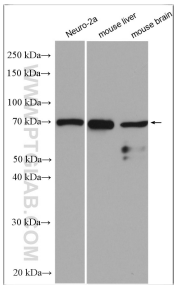
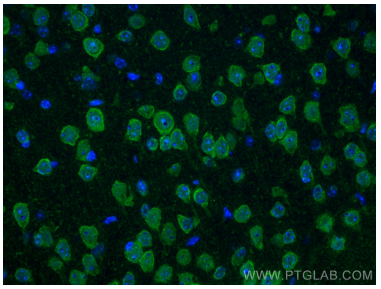
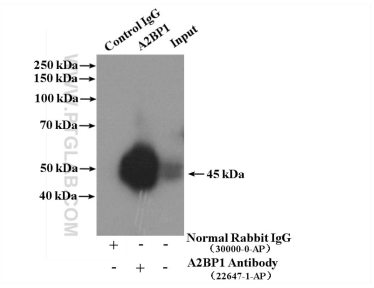
Selected Validation Data



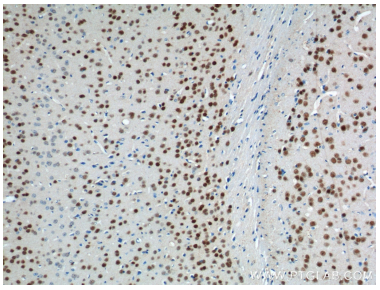
Various lysates were subjected to SDS PAGE followed by western blot with 22647-1-AP (A2BP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



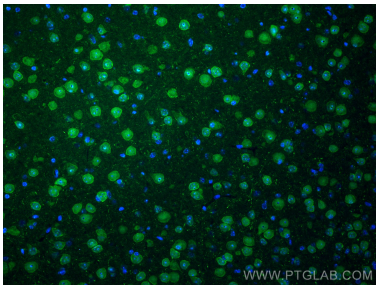
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using A2BP1 antibody (22647-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



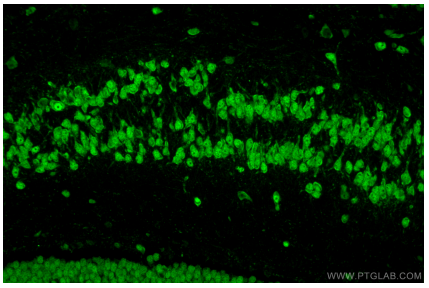
IP result of anti-A2BP1 (IP:22647-1-AP, 4ug; Detection:22647-1-AP 1:500) with mouse brain tissue lysate 4000ug.



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



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using A2BP1 antibody (22647-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using A2BP1 antibody (22647-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).