

For Research Use Only

BIN1 Polyclonal antibody

Catalog Number: 14647-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

14647-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6240

GenBank Accession Number:

BC004101

GeneID (NCBI):

274

UNIPROT ID:

O00499

Full Name:

bridging integrator 1

Calculated MW:

65 kDa

Observed MW:

50-65 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 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

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: Jurkat cells, mouse skeletal muscle tissue, mouse brain tissue, rat skeletal muscle tissue

IP: mouse brain tissue,

IHC: mouse skeletal muscle tissue, human osteosarcoma tissue, mouse brain tissue

IF-P: mouse brain tissue,

Background Information

BIN1 (Bridging integrator 1), also known as amphiphysin II or Myc box-dependent-interacting protein 1, is a ubiquitous nucleocytoplasmic adaptor protein that was identified initially as an MYC-interacting proapoptotic tumor suppressor. Alternative splicing of the gene results in multiple transcript variants encoding different isoforms. BIN1 is a key regulator of different cellular functions, including endocytosis and membrane recycling, cytoskeleton regulation, DNA repair, cell cycle progression, and apoptosis (PMID: 24590001).

Notable Publications

Author	Pubmed ID	Journal	Application
Ari Sudwarts	35526014	Mol Neurodegener	WB
Robert J Andrew	30692199	J Biol Chem	WB,IF
Jennifer K Lee	33212486	J Neuropathol Exp Neurol	IHC

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

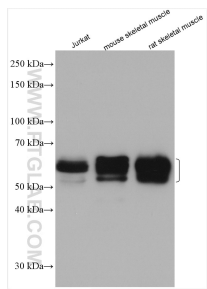
For technical support and original validation data for this product please contact:

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

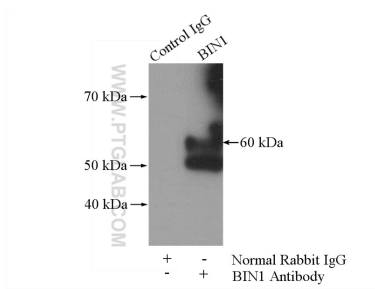
E: proteintech@ptglab.com
W: ptglab.com

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

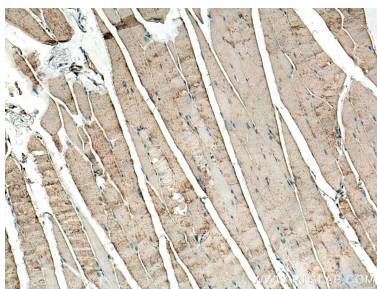
Selected Validation Data



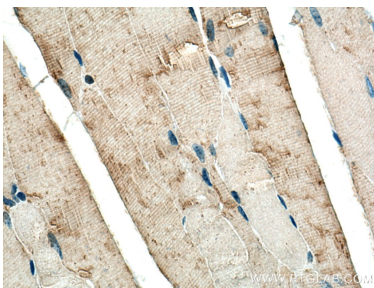
Various lysates were subjected to SDS PAGE followed by western blot with 14647-1-AP (BIN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



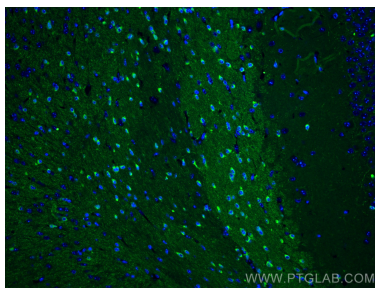
IP result of anti-BIN1 (IP:14647-1-AP, 4ug; Detection:14647-1-AP 1:500) with mouse brain tissue lysate 3440ug.



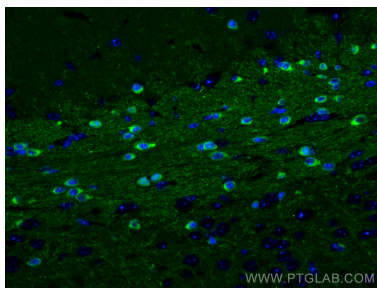
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14647-1-AP (BIN1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14647-1-AP (BIN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using BIN1 antibody (14647-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using BIN1 antibody (14647-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).