

## BIN1 Polyclonal antibody

Catalog Number: 14647-1-AP

Featured Product

13 Publications

## Basic Information

## Catalog Number:

14647-1-AP

## Size:

550 µg/ml

## 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 µg 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

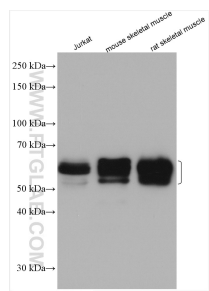
For technical support and original validation data for this product please contact:

T: 4006900926

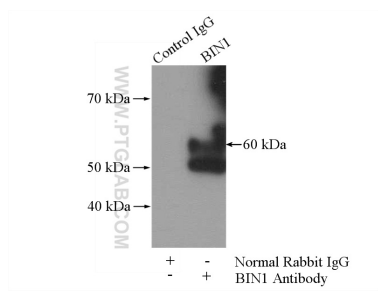
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

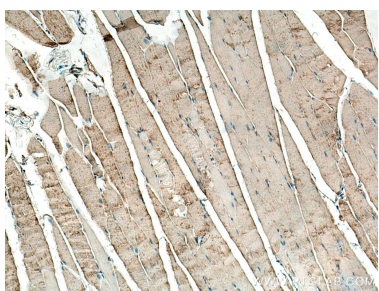
Selected Validation Data



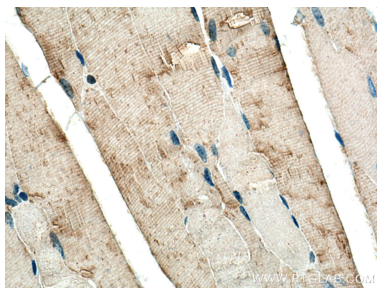
Various lysates were subjected to SDS PAGE followed by western blot with 14647-1-AP (BIN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



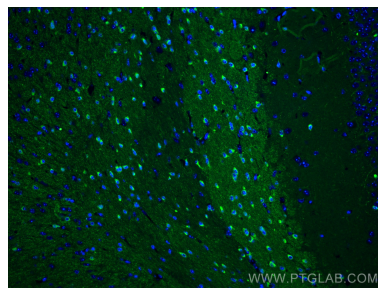
IP result of anti-BIN1 (IP:14647-1-AP, 4ug; Detection:14647-1-AP 1:500) with mouse brain tissue lysate 3440ug.



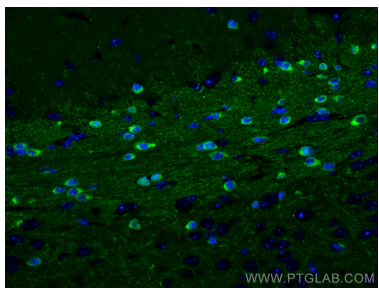
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14647-1-AP (BIN1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).