

For Research Use Only

BIN3 Polyclonal antibody

Catalog Number: 11215-1-AP

1 Publications



Basic Information

Catalog Number:

11215-1-AP

Size:

150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1713

GenBank Accession Number:

BC009824

GeneID (NCBI):

55909

UNIPROT ID:

Q9NQY0

Full Name:

bridging integrator 3

Calculated MW:

30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : K-562 cells, HeLa cells

IP : K-562 cells,

IHC : human prostate cancer tissue,

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

Bridging integrator 3 (BIN3) is a conserved BAR (Bin/amphiphysin/ Rvs) domain adaptor protein (PMID: 11274158). BAR domain proteins, sharing an N-terminal BAR domain, have been implicated in diverse cellular processes, including endocytosis, vesicle fusion, cell polarity, actin organization, signal transduction, transcription repression, and tumor suppression (PMID: 16524918). BIN3 is involved in cytokinesis and septation where it has a role in the localization of F-actin (PMID: 11274158).

Notable Publications

Author	Pubmed ID	Journal	Application
Hoffmann Andrea A	22270329	Mol Med	WB

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

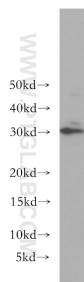
For technical support and original validation data for this product please contact:

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

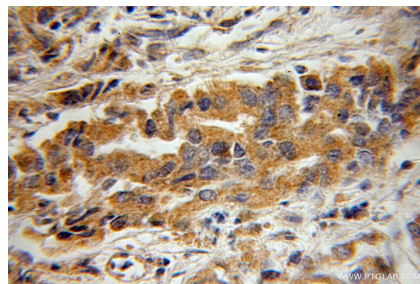
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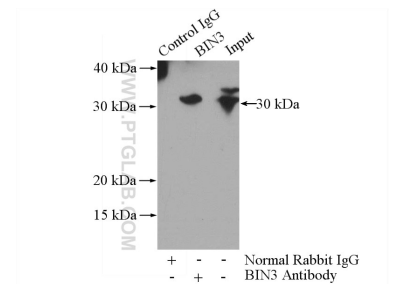
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 11215-1-AP (BIN3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11215-1-AP (BIN3 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-BIN3 (IP:11215-1-AP, 4ug;
Detection:11215-1-AP 1:300) with K-562 cells
lysate 3200ug.