Product Datasheet

BIN1 Antibody

Catalog No: #32436

Package Size: #32436-1 50ul #32436-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

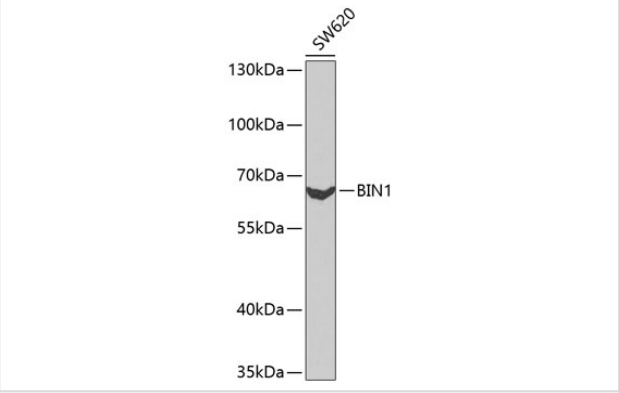
Description

Product Name	BIN1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Rat
Specificity	The antibody detects endogenous level of total BIN1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant Protein of human BIN1.
Target Name	BIN1
Other Names	AMPH2; AMPHL; SH3P9;
Accession No.	Swiss-Prot:O00499NCBI Gene ID:274
Uniprot	O00499
GeneID	274;
SDS-PAGE MW	65KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

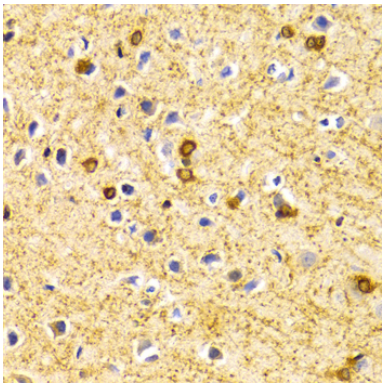
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:20 - 1:50

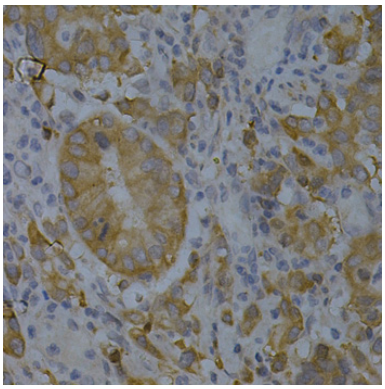
Images



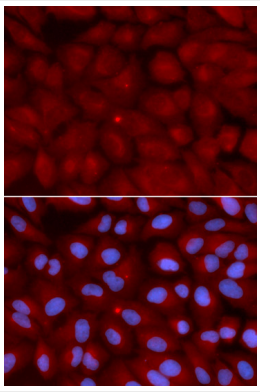
Western blot analysis of extracts of SW620 cells, using BIN1 at 1:1000 dilution.



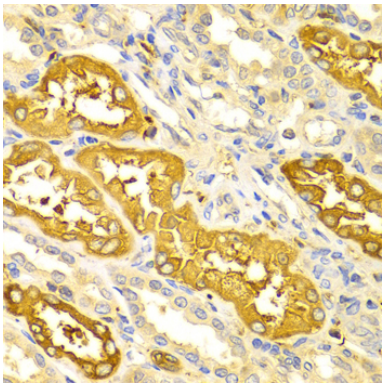
Immunohistochemistry of paraffin-embedded rat brain using BIN1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using BIN1 at dilution of 1:200 (40x lens).



Immunofluorescence analysis of U2OS cells using BIN1 . Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded human kidney using BIN1 at dilution of 1:100 (40x lens).

Background

This gene encodes several isoforms of a nucleocytoplasmic adaptor protein, one of which was initially identified as a MYC-interacting protein with features of a tumor suppressor. Isoforms that are expressed in the central nervous system may be involved in synaptic vesicle endocytosis and may interact with dynamin, synaptojanin, endophilin, and clathrin. Isoforms that are expressed in muscle and ubiquitously expressed isoforms localize to the cytoplasm and nucleus and activate a caspase-independent apoptotic process. Studies in mouse suggest that this gene plays an important role in cardiac muscle development. Alternate splicing of the gene results in ten transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.

Note: This product is for in vitro research use only