

# BIN1 Polyclonal Antibody

Catalog Number:E-AB-60447



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

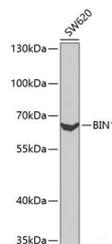
## Description

<b>Reactivity</b>	Human,Rat
<b>Immunogen</b>	Recombinant fusion protein of human BIN1 (NP_647601.1).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Applications Recommended Dilution

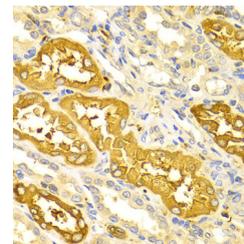
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:200
<b>IF</b>	1:20-1:50

## Data

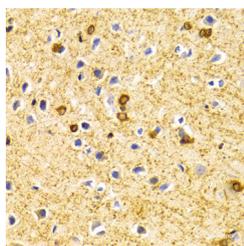


Western blot analysis of extracts of SW620 cells using BIN1 Polyclonal Antibody at dilution of 1:1000.

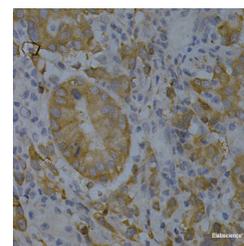
**Observed Mw:65kDa**  
**Calculated Mw:45-64kDa**



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



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



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

## For Research Use Only

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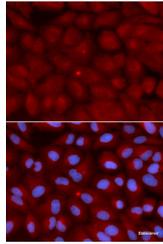
Tel: 1-832-243-6086

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Fax: 1-832-243-6017

# BIN1 Polyclonal Antibody

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Immunofluorescence analysis of U2OS cells using  
BIN1 Polyclonal Antibody

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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 several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.

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