

BIN1 polyclonal antibody

Catalog: BS62601

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Bridging integrator 1 (BIN1, AMPHL) is an adaptor protein and putative tumor suppressor expressed as multiple isoforms due to alternative splicing. The BIN1 protein was originally identified as a Myc box-interacting protein with structural similarity to the synaptic vesicle protein amphiphysin. BIN1 protein structure contains an amino-terminal amphipathic helix and a BAR domain that is involved in sensing membrane curvature. The protein also includes a Myc-binding domain and a SH3 domain, which are implicated in protein-protein interactions. Multiple BIN1 isoforms range in size from approximately 45 to 65 kDa, with the nuclear BIN1 isoform found mostly in skeletal muscle and the cytoplasmic IIA isoform expressed in axon initial segments and nodes of Ranvier of the brain. Corresponding BIN1 gene mutations and incorrect splicing can lead to impaired BIN1 membrane-tabulating and protein binding activities, resulting in development of autosomal recessive centronuclear myopathy and myotonic dystrophy. Genome-wide association studies link the BIN1 gene with late onset Alzheimer disease (AD) and increased BIN1 mRNA expression is seen in AD brains.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 50, 65 kDa

Swiss-Prot:

O00499

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC:1:50~1:100

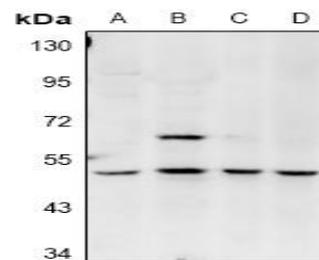
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

BIN1 polyclonal antibody detects endogenous levels of BIN1 protein.

DATA:



Western blot (WB) analysis of BIN1 polyclonal antibody at 1:500 dilution

LaneA:C6 whole cell lysate(40ug)

LaneB:MEF whole cell lysate(40ug)

LaneC:Hela whole cell lysate(40ug)

LaneD:MG63 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151