



Datasheet for ABIN2855595

anti-BIN1 antibody



[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	BIN1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BIN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human BIN1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to BIN1 (bridging integrator 1) BIN1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	BIN1
Alternative Name:	bridging integrator 1 (BIN1 Products)

Target Details

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.

Cellular Localization: Isoform BIN1: Nucleus , Isoform IIA: Cytoplasm

Molecular Weight: 65 kDa

Gene ID: 274

UniProt: [O00499](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Validation: Comparison

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2.35 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

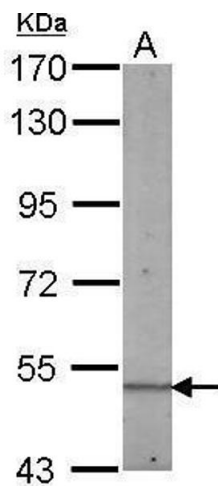
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Publications

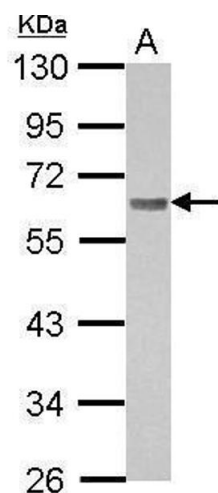
Product cited in: Chao, Wroblewski, Ilkayeva, Stevens, Bain, Meyer, Schenk, Martinez, Vergnes, Narkar, Drew, Hong, Boyadjian, Hevener, Evans, Reue, Spencer, Newgard, Tontonoz: "Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization." in: **Journal of lipid research**, Vol. 53, Issue 12, pp. 2610-9, (2012) ([PubMed](#)).

Images



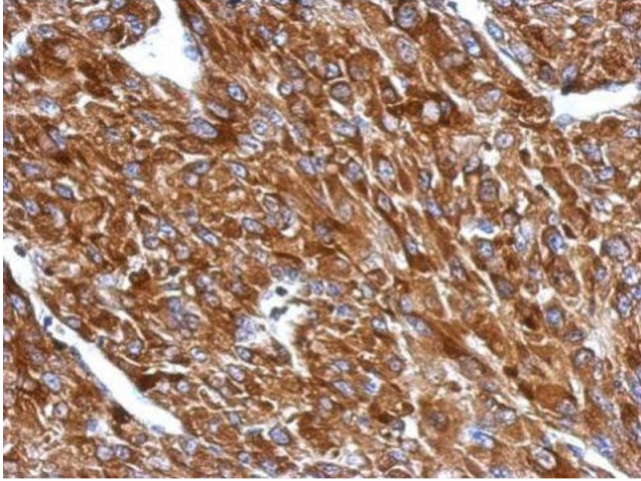
Western Blotting

Image 1. WB Image Sample (50 ug of whole cell lysate) A: mouse kidney 7.5% SDS PAGE antibody diluted at 1:500



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: A431 10% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded U87 xenograft, using BIN1, antibody at 1:500 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855595.