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EB08724 - Goat Anti-BIN1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: BIN1, bridging integrator 1, AMPH2, AMPHL, DKFZp547F068, MGC10367, SH3P9, amphiphysin II, amphiphysin-like, box dependant MYC interacting protein 1

Official Symbol: BIN1

Accession Number(s): NP_004296.1; NP_647593.1; NP_647594.1; NP_647595.1; NP_647596.1; NP_647597.1; NP_647598.1; NP_647599.1; NP_647600.1; NP_647601.1 Human GenelD(s): <u>274</u>

Non-Human GeneID(s): 30948 (mouse), 117028 (rat)

Important Comments: This antibody is expected to recognise all ten reported isoforms (NP_647593.1, NP_647594.1, NP_647595.1, NP_647596.1, NP_647597.1, NP_647598.1, NP_647599.1, NP_004296.1, NP_647600.1, NP_647601.1).

Immunogen

Peptide with sequence C-SDNAPAKGNKSPS, from the internal region of the protein sequence according to NP_004296.1; NP_647593.1; NP_647594.1; NP_647595.1; NP_647596.1; NP_647596.1; NP_647599.1; NP_647600.1; NP_647601.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:1000.

Western blot: Experiments gave bands at approx 70kDa and 60kDa in Human Skeletal Muscle lysates after 0.1µg/ml antibody staining. These bands correspond to earlier findings in literature with different antibodies (Chang et al, Cancer Res. 2007 Jan 1;67(1):100-7.; PMID: 17210688). This protein has a calculated MW of 64.7kDa according to NP_647593.1. Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa
37kDa 25kDa
20kDa

15kDa

EB08724 (0.1µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence