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EB09088 - Goat Anti-FBXO32 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: FBXO32, F-box protein 32, FLJ32424, Fbx32, MAFbx, MGC33610, F-box only protein 32, atrogin 1, muscle atrophy F-box protein
Official Symbol: FBXO32
Accession Number(s): NP_478136.1
Human GeneID(s): 114907
Non-Human GeneID(s): 67731 (mouse), 171043 (rat)
Important Comments: This antibody is expected to recognize reported isoform 1 (NP_478136.1).

Immunogen

Peptide with sequence C-NSKTKTQYFHQEK, from the internal region of the protein sequence according to NP_478136.1.

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 1:16000.
Western blot: Approx. 40kDa band observed in Mouse Skeletal Muscle lysates (calculated MW of 41.5kDa according to Mouse NP_080622.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Rat and Pig Skeletal Muscle, and Pig Heart for this particular batch. This antibody has been successfully use in WB on Mouse: (2021) 10.21203/rs.3.rs-541040/v1.

Species Reactivity

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

Specific References

This antibody has been successfully used in Western blot on Mouse:
Changpeng Wu et al.
L-Carnitine Ameliorates the Muscle Wasting of Cancer Cachexia through the AKT/FOXO3a/MaFbx Axis
(2021) 10.21203/rs.3.rs-541040/v1
PMID: 34724970

This antibody (previous batch) has been successfully used in Western blot on Mouse:
Penet MF, Gadiya MM, Krishnamachary B, Nimmagadda S, Pomper MG, Artemov D, Bhujwalla ZM.
Metabolic signatures imaged in cancer-induced cachexia.
Cancer Res. 2011 Nov 15;71(22):6948-56

PMID: 21948967

EB09088 (0.3µg/ml) staining of Mouse Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.