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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB09223 - Goat Anti-ATG4D Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: cysteine protease involved in autophagy, autophagy-related cysteine endopeptidase 4, autophagin-4, AUT-like 4, cysteine endopeptidase, APG4 autophagy 4 homolog D, AUTL4, APG4D, APG4-D, ATG4 autophagy related 4 homolog D (S. cerevisiae), ATG4D

Official Symbol: ATG4D

Accession Number(s): NP_116274.3

Human GeneID(s): [84971](#)

Non-Human GeneID(s): 235040 (mouse), 686505 (rat)

Immunogen

Peptide with sequence CSQLAQPTLRLPRT, from the internal region (near C terminus) of the protein sequence according to NP_116274.3.

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 1:32000.

Western blot: Preliminary experiments gave an approx. 26kDa band in Human Skeletal Muscle lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 52.9kDa according to NP_116274.3. The 26kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

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