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Research Use Only. Not for diagnostic or therapeutic use.

EB09223 - Goat Anti-ATG4D Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

protease involved in autophagy **Official Symbol:** ATG4D

Accession Number(s): NP_116274.3; NP_001268433.1

Human GeneID(s): 84971

Non-Human GenelD(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; NP_001268433.1.

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 1:32000.

IHC: Paraffin embedded Human Pancreas. Recommended concentration: 2.5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HEK293

cells. Recommended concentration: 10µg/ml.

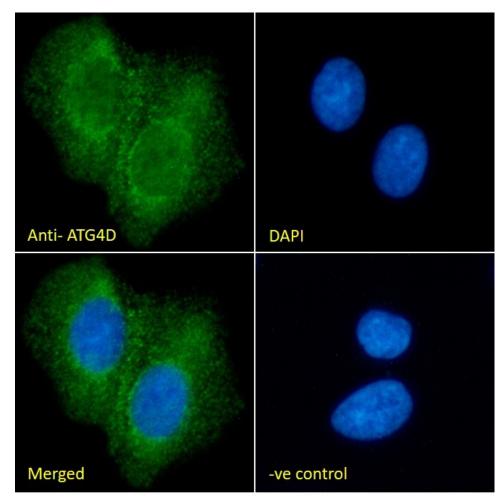
Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended

concentration: 10ug/ml.

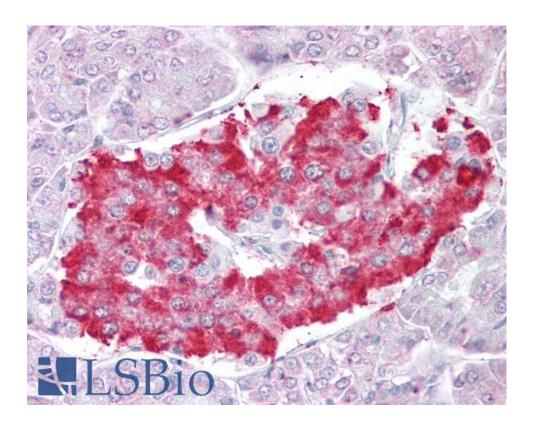
Species Reactivity

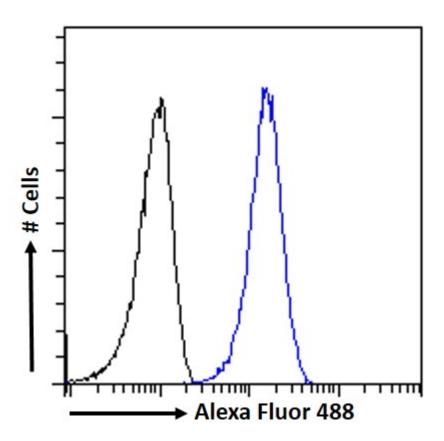
Tested: Human

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



EB09223 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





EB09223 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.