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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 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; 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.

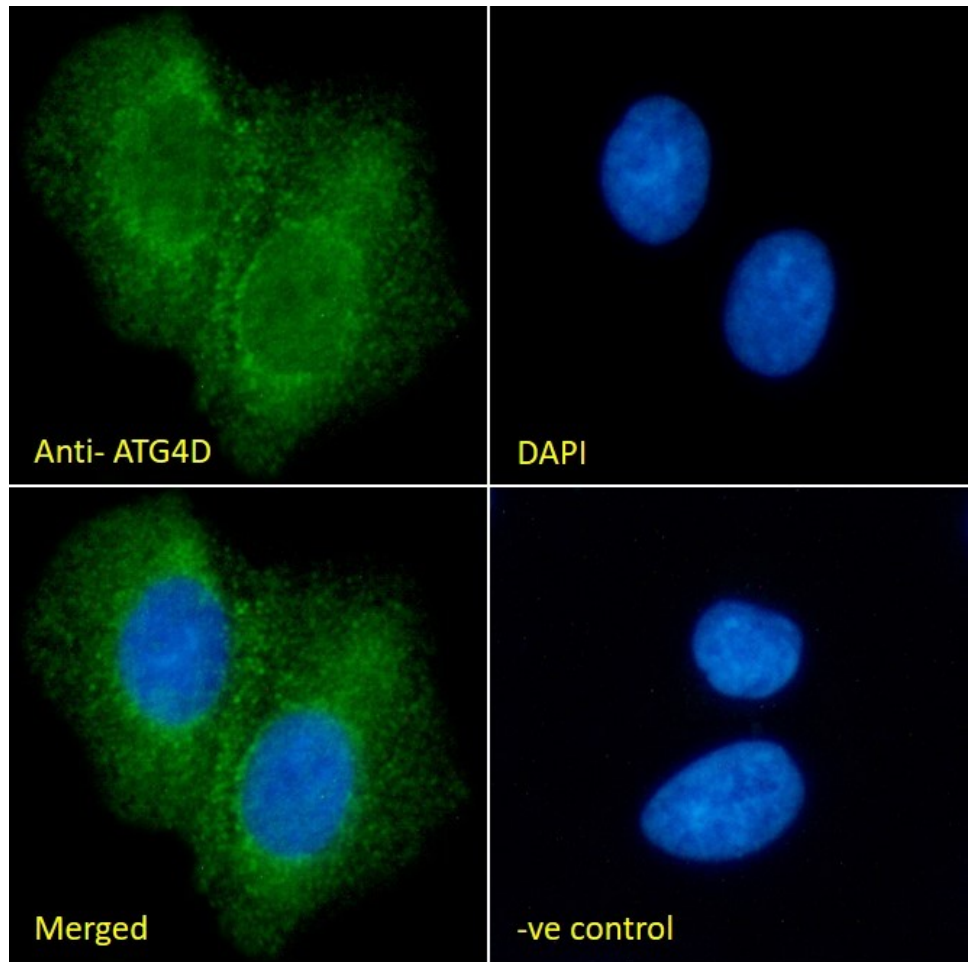
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HEK293 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10µg/ml.

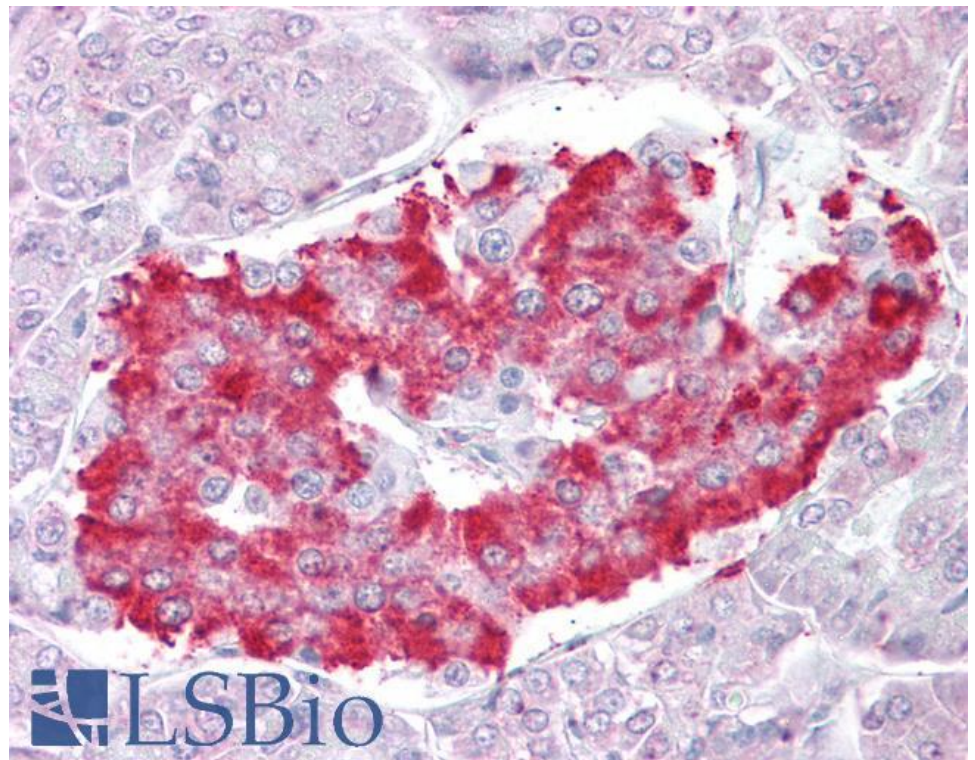
Species Reactivity

Tested: Human

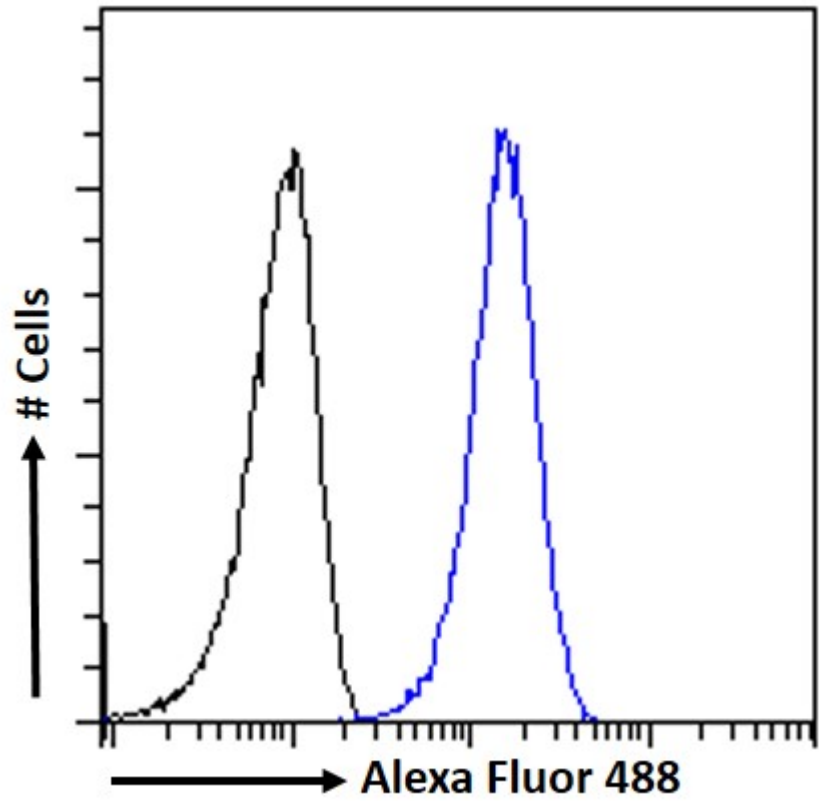
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig



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 (2.5 μ g/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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