

Product Datasheet

ATG4D Antibody NBP1-36939

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-36939**ATG4D Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

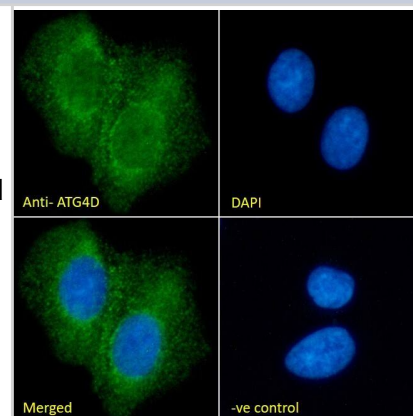
Product Description	
Description	Novus Biologicals Goat ATG4D Antibody (NBP1-36939) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-ATG4D Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	84971
Gene Symbol	ATG4D
Species	Human
Reactivity Notes	Expected from sequence similarity: Mouse, Rat, Dog, Pig
Immunogen	Peptide with sequence CSQLAQPTLRLPRT corresponding to internal region (near C-Terminus) according to NP_116274.3.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 10 ug/ml, ELISA Detection limit 1:32000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml
Application Notes	Western blot: Preliminary experiments gave an approx. 26kDa band in Human Skeletal Muscle lysates after 1ug/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. IHC: Paraffin embedded Human Pancreas

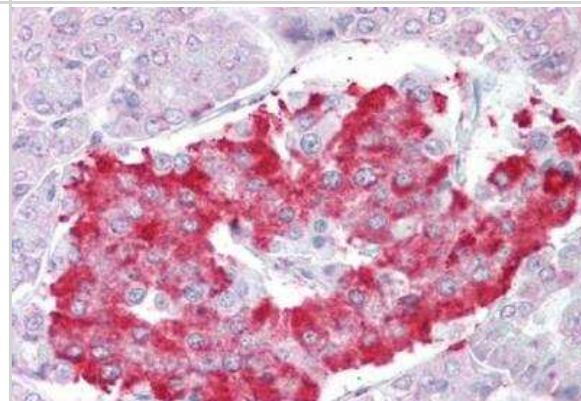


Images

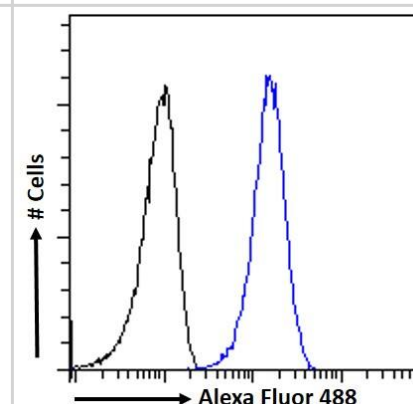
Immunocytochemistry/Immunofluorescence: Goat Polyclonal ATG4D Antibody [NBP1-36939] - Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: ATG4D Antibody [NBP1-36939] - Staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Flow Cytometry: Goat Polyclonal ATG4D Antibody [NBP1-36939] - 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.



Publications

Tamargo-Gómez I, Martínez-García GG, Suárez MF et al. Analysis of ATG4C function in vivo Autophagy 2023-07-17 [PMID: 37459465] (WB, Mouse)

Marino G, Uria JA, Puente XS et al. Human autophagins, a family of cysteine proteinases potentially implicated in cell degradation by autophagy. J Biol Chem 2003-02-01 [PMID: 12446702]



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Products Related to NBP1-36939

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00084971-P01-10ug	Recombinant Human ATG4D GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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