

Product datasheet for **CF809570**

ATG16L1 Mouse Monoclonal Antibody [Clone ID: OT15A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT15A2
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-277 of human ATG16L1 (NP_110430) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.1 kDa
Gene Name:	autophagy related 16 like 1
Database Link:	NP_110430 Entrez Gene 77040 Mouse Entrez Gene 363278 Rat Entrez Gene 55054 Human Q676U5



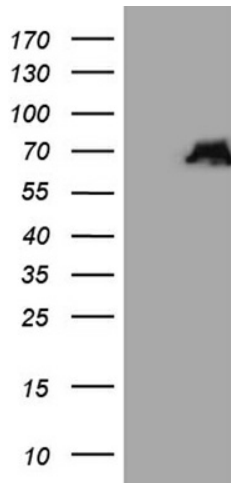
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Background:

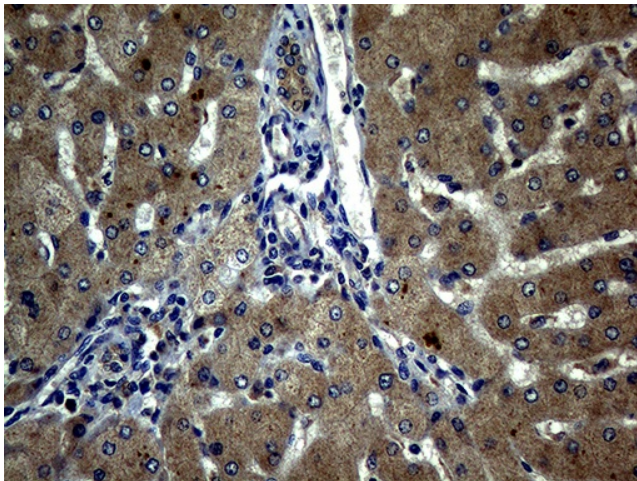
The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Synonyms:

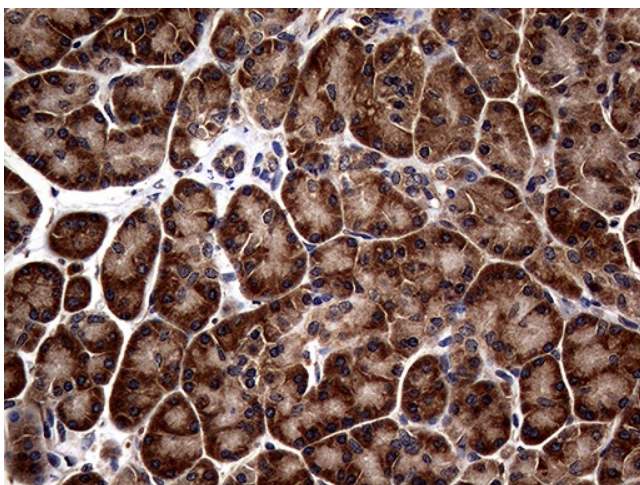
APG16L; ATG16A; ATG16L; IBD10; WDR30

Product images:


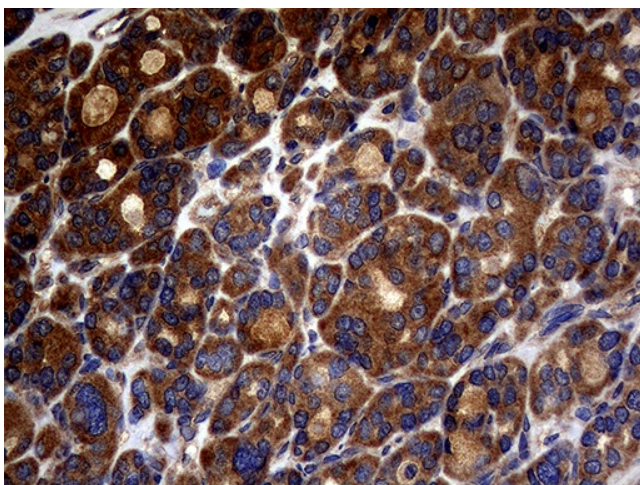
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ATG16L1 (Cat# [RC216728], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ATG16L1 (1:500) (Cat# [TA809570]). Positive lysates [LY410699] (100ug) and [LC410699] (20ug) can be purchased separately from OriGene.



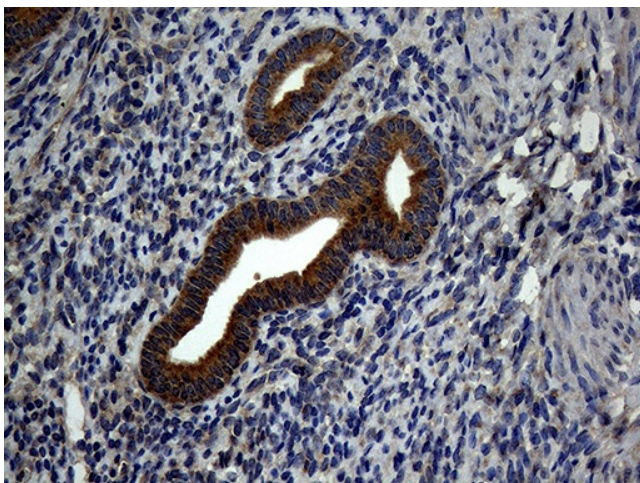
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ATG16L1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809570]) (1:2000)



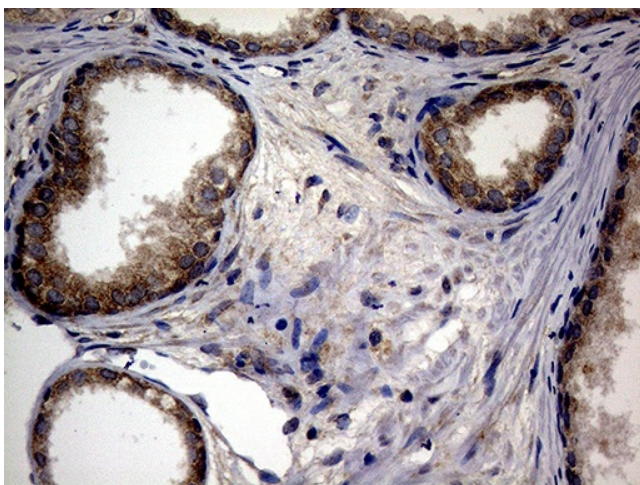
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-ATG16L1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809570]) (1:2000)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ATG16L1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809570]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ATG16L1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809570]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-ATG16L1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809570]) (1:2000)