

ATG16L1 Polyclonal Antibody

Catalog Number OSA00045W

Product data sheet

Details		Species Reactivity	
Size	150 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	1:100-1:2,000
Type	Antibody	Western Blot (WB)	1:100-1:2,000
Immunogen	A synthetic peptide from human autophagy-related protein 16-1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Lyophilized		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Reconstitute with 150 µL of distilled water.

Background/Target Information

Autophagy related protein 16 L is encoded by the ATG16L gene and is located on chromosome 2 in humans. It is also known as WD30 or IBD10 (Inflammatory Bowel Disease 10). ATG 12 and ATG5 conjugate with each other and undergoes homo oligomerisation with ATG16L to form an 800 kDa complex called the Atg16L complex. This complex facilitates coupling or lipidation of LC3 to phosphatidylethanolamine (PE) and this ubiquitin-like conjugation system is a widely used marker for autophagy. However, the ATG 16L complex along with other ATGs like ATG 18 and ATG 21 prevent the premature cleavage of ATG8-PE by the cysteine protease, Atg4 until the autophagosome is deemed complete.

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