

ATG4D Polyclonal Antibody

Catalog NumberOSA00036W

Product data sheet

Details		Tested Applications		Dilution *	
Size	150 µL	Immunohistochemistry (IHC)	Western Blot (WB)	1:200-1:3000	
Host/Isotope	Sheep / IgG			1:200-1:3000	
Class	Polyclonal	* 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.			
Type	Antibody				
Immunogen	A synthetic peptide from human ATG4D				
Conjugate	Unconjugated				
Form	Lyophilized				
Concentration	Conc. Not Determined				
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Glycerol (1:1) may be added for added stability.				

Product specific information

Reconstitute with 150 µL of distilled water.

Background/Target Information

Atg4D (autophagy-related gene 4D), also known as APG4D or AUTL4, is a 474 amino acid protein that localizes to the cytoplasm and belongs to the C-54 family of cysteine proteases. Expressed predominately in skeletal muscle, but also present in testis, Atg4D functions as a cysteine protease that is required for autophagy and functions to specifically cleave the C-terminal region of target proteins, thereby allowing the target proteins to bind to autophagosomes. The enzymatic activity of Atg4D is inhibited by Nethylmaleimide, a thiol reactive compound that is capable of modifying cysteine residues in proteins and peptides.

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