

ATG4A Polyclonal Antibody

Catalog Number    OSA00040W

Product data sheet

Details		Species Reactivity	
Size	150 µL	Species reactivity	Human, Mouse
Host/Isotope	Sheep / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	1:200-1:3000
Type	Antibody	Western Blot (WB)	1:200-1:3000
Immunogen	A synthetic peptide from human ATG4A conjugated to blue carrier protein has been used as the antigen.	* 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		
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. The peptide is homologous in mouse

Background/Target Information

Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Transcript variants that encode distinct isoforms have been identified.

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