

Mouse Monoclonal Antibody to ATG7

Catalogue Number	sAP-1529
Target Molecule	Name: ATG7 Aliases: GSA7; APG7L; APG7-LIKE MW: 78kDa Entrez Gene ID: 10533
Description	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants.
Immunogen	Purified recombinant fragment of human ATG7 (AA: 558-703) expressed in E. Coli.
Recitative Species	Human;
Clone	MM7D3E5
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Oncotarget. 2014 Mar 30;5(6):1526-37.2.J Biol Chem. 2012 Oct 12;287(42):35576-88.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**