

## Anti-ATG4A Rabbit mAb

Purified Rabbit Monoclonal Antibody

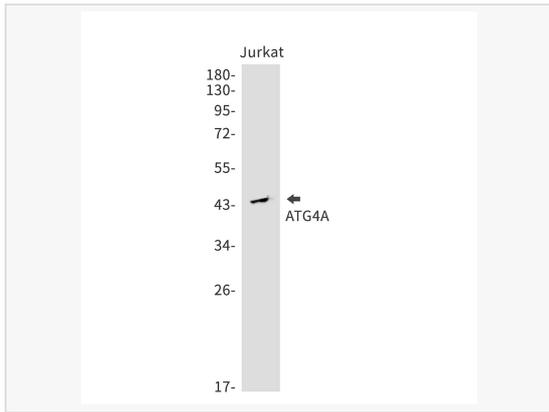
Catalog # R013033

### Product Information

Application	WB, IHC-P/IF (Tissue-P), IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	22M75L07
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ATG4A
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATG4A antibody [22M75L07] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	ATG4A, APG4A, AUTL2, Cysteine protease ATG4A, AUT-like 2 cysteine endopeptidase, Autophagin-2, Autophagy-related cysteine endopeptidase 2, Autophagy-related protein 4 homolog A, hAPG4A.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 45 kDa
Uniprot ID	Q8WYN0
Gene ID	115201
Background	The cysteine protease Atg4 is pivotal to autophagosome membrane generation and regulation. Atg4 primes the Atg8 homologue for lipidation by cleaving its carboxy terminus and exposing its glycine residue for E1-like enzyme Atg7. The Atg8 homologue is transferred to the E2-like enzyme Atg3 before forming the Atg8-PE conjugate. During later stages of autophagy, Atg4 can reverse this lipidation event by cleaving PE, thereby recycling the Atg8 homologue.



Western blot analysis of ATG4A in Jurkat lysates using ATG4A antibody.