

## Anti-ATG3 Rabbit mAb

Purified Rabbit Monoclonal Antibody

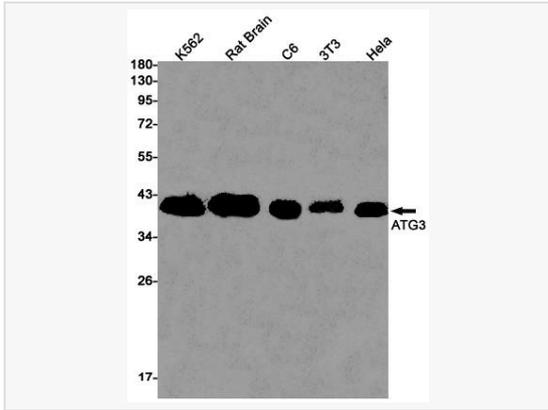
Catalog # R013217

### Product Information

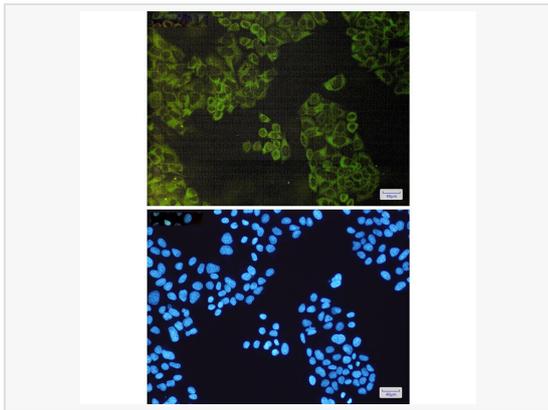
Application	IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	49L18K81
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ATG3
Format	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-ATG3 antibody [49L18K81] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

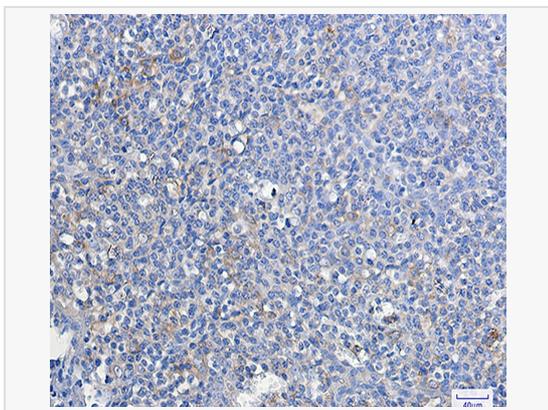
Synonyms	APG3, APG3L, PC3-96, APG3-LIKE.
Calculated MW	Calculated MW: 36 kDa; Observed MW: 40 kDa
Uniprot ID	Q9NT62
Gene ID	64422
Background	E2-like enzyme involved in autophagy and mitochondrial homeostasis. Catalyzes the conjugation of ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A) to phosphatidylethanolamine (PE). Catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3.



Western blot analysis of ATG3 in K562, rat Brain, C6, 3T3, HeLa lysates using ATG3 antibody.



Immunocytochemistry analysis of ATG3(green) in HeLa using ATG3 antibody and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATG3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.