

Anti-ATG3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P011829

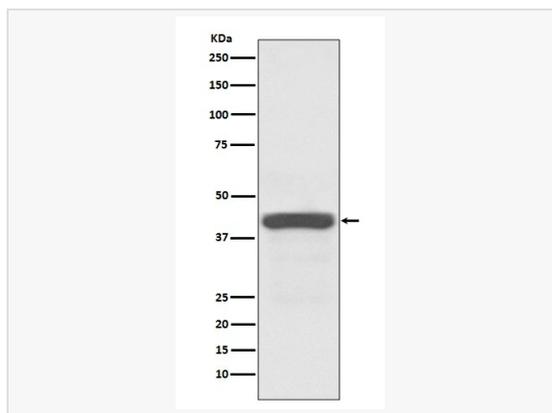
Product Information

Application	WB, IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
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	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Apg3 (Atg3)
Format	Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography
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 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.

Validation Images



Western blot analysis of Apg3 (Atg3) in Jurkat lysates using ATG3 antibody.