

Product Datasheet

Apg3 (Atg3) Antibody

Catalog No: CY6835

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



www.abways.com

Information

UniProt ID: Q9NT62

All Names: APG3 autophagy 3 like; APG3 like; APG3, *S. cerevisiae*, homolog of; APG3-like; APG3L; Apg3p; ATG3 autophagy related 3 homolog; ATG3 autophagy related 3 homolog (*S. cerevisiae*);

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 40 kDa

Application

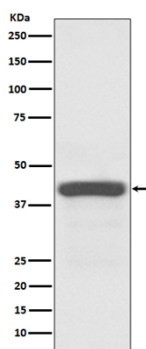
WB 1:500~1:2000

IHC 1:50~1:200

ICC/IF 1:50~1:200

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). PE-conjugation to ATG8-like proteins is essential for autophagy. Preferred substrate is MAP1LC3A. Also acts as an autocatalytic E2-like enzyme, 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 Apg3 (Atg3) expression in Jurkat cell lysate.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com