

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **ATG3 RABBIT MAB**

Cat.#: N261886

**Product Name:** Anti-ATG3 Rabbit Monoclonal Antibody

**Synonyms:** APG3; APG3L; PC3-96; APG3-LIKE

**UNIPROT ID:** O9NT62

**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.

Immunogen: A synthetic peptide of human ATG3

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Rabbit

Clonality: Rabbit Monoclonal

**Clone ID:** R06-9E7

MW: Calculated MW: 36 kDa; Observed MW: 40 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

**Conjugation:** Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

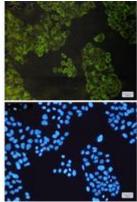
Research Areas: AutophagyyyyyyAutophagosome

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

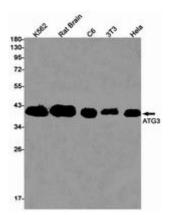


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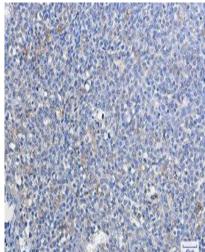
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Immunocytochemistry analysis of Western blot analysis of ATG3 in ATG3(green) in Hela using ATG3 antibody, and DAPI(blue)



K562, rat Brain, C6, 3T3, Hela lysates using ATG3 antibody.



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