

## Apg3 polyclonal antibody

Catalog: BS90070

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

Atg3 (autophagy-related protein 3), also known as APG3-like, hAPG3 or PC3-96, is an E2-like enzyme that localizes to the cytoplasm and is expressed in a variety of tissues with predominant levels found in kidney, placenta, liver, heart and skeletal muscle. Atg3 catalyzes the formation of the Atg8-phosphatidylethanolamine (Atg8-PE) conjugate, a reaction that is essential for autophagy (a cellular process that allows for the degradation of organelles and bulk cellular proteins). The process of forming the Atg8-PE conjugate begins with the removal of the C-terminal arginine residue of Atg8 by Atg4, a cysteine protease. The, now exposed, glycine residue is then activated by Atg7 and is then transferred to Atg3 for the final conjugation to PE. This last step can be accelerated by the presence of the Atg12-Atg5 conjugate which functions similarly to an E3 enzyme.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

36 kDa

### Swiss-Prot:

Q9NT62(Human)

### Purification&Purity:

Protein affinity purified.

### Applications:

WB:1:500

IHC:1:50-1:200

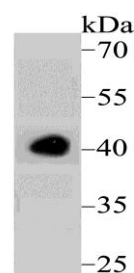
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

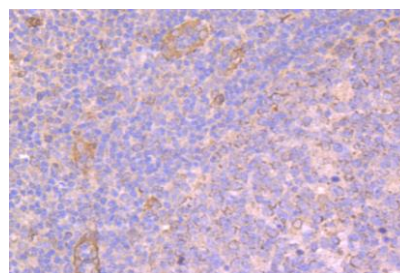
### Specificity:

Apg3 polyclonal antibody detects endogenous levels of Apg3 protein.

### DATA:



Western blot analysis of Apg3 on HL-60 cell lysate using anti-Apg3 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Apg3 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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