

## ATG13 Recombinant antibody

**Cat:** B36258S

**Company:** HaoKebio

**Uniprot ID:** O75143

**Applications:** IHC:1:250-1:1000

**Organism:** Rabbit

IHC-Polymer:1:1000-1:4000

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:1200-1:5000

**Molecular Weight Calculation:** 57 kDa

IF:1:50

**Observed Molecular Weight:** 70 kDa

WB:1:1000-1:5000

### Background:

ATG13 is one component protein of the ULK1 complex which is required for autophagosome formation and mitophagy. ATG13 has two nutrient regulatory phosphorylation sites and the phosphorylation status of ATG13 affect regulation of autophagy by modulating enzyme activity and cellular localization of ULK1. Besides, it has been reported the nonautophagic function of ATG13 on cardiac development for ATG13-deficient embryos show myocardial growth defects.

### Synonyms:

KIAA0652, 3G14, Autophagy related protein 13, Autophagy-related protein 13

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

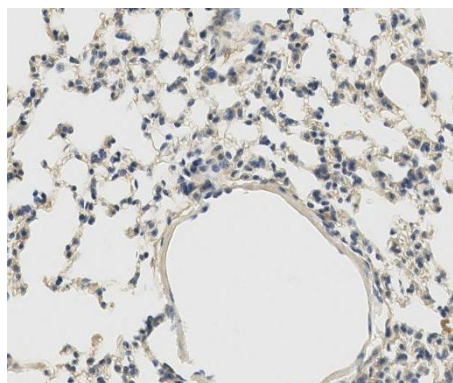
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Mouse lung, 4% PFA 12-24h

### Source of Reagents:

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