

ATG5 Recombinant antibody

Cat: B36071S

Company: HaoKebio

Uniprot ID: Q9H1Y0

Applications: IHC:1:500-1:2000

Organism: Rabbit

IHC-Polymer:1:2000-1:8000

Species reactivity: Human Mouse Rat

IHC-TSA:1:2500-1:10000

Molecular Weight Calculation: 32 kDa

IF:1:50-1:100

Observed Molecular Weight: 50-55 kDa

WB:1:5000-1:50000

IP:1ug for 1mg of total protein lysate

Background:

ATG5, also named as APG5L and ASP, belongs to the ATG5 family. It is required for autophagy.

It plays an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity. Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. It mediates a utophagosome-independent host protection. This antibody is raised against 28-275 amino acids of human ATG5. It can recognize the ATG5-ATG12 complex (55 kDa) which can be truncated and generate a 40-45 kDa band.

Synonyms:

Apoptosis specific protein, APG5-like, APG5L, APG5 LIKE, APG5

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.

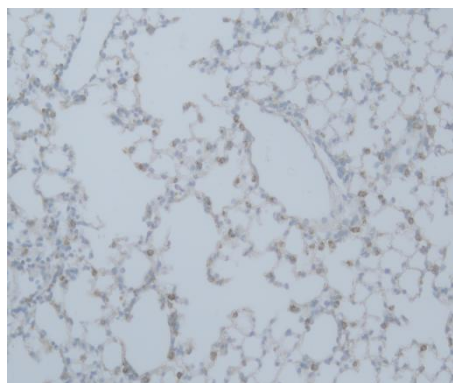
Storage:

Store at -20 °C for one year.

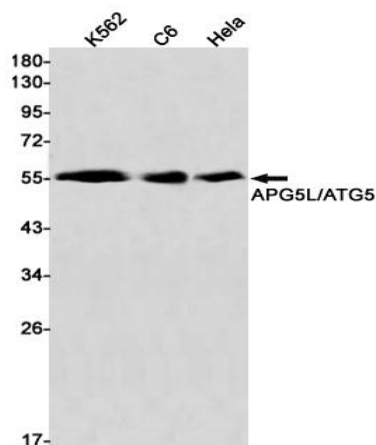
Experimental procedure:

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 lungs, 4% PFA 12-24h



Dilution of 1:50000 incubated at room temperature for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:ATG5(B36071S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:ATG5(B36071S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.