

ATG7/APG7 Rabbit pAb

Catalog Number: bs-2432R

Target Protein: ATG7/APG7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Pig, Cow, Chicken, Dog, Horse)

Predicted MW: 78 kDa

Entrez Gene: 10533

Swiss Prot: O95352

Source: KLH conjugated synthetic peptide derived from human ATG7: 21-120/703.

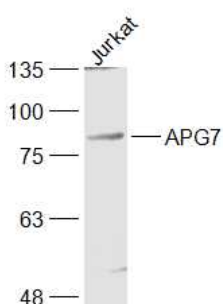
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

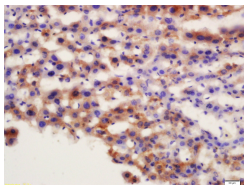
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene was identified based on homology to *Pichia pastoris* GSA7 and *Saccharomyces cerevisiae* APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq, Jan 2009].

VALIDATION IMAGES



Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-APG7 (bs-2432R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 85 kD



Tissue/cell: mouse liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-APG7 Polyclonal Antibody, Unconjugated(bs-2432R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.1] Dong, Qianqian, et al. "Tetrahydroxystilbene Glycoside Improves Microvascular Endothelial Dysfunction and Ameliorates Obesity-Associated Hypertension in Obese ZDF Rats Via Inhibition of Endothelial Autophagy." *Cellular Physiology and Biochemistry* 43.1 (2017): 293-307. WB ; ="Rat" . 28854420

[IF=3.743] Lou L et al. MiRNA-192-5p attenuates airway remodeling and autophagy in asthma by targeting MMP-16 and ATG7. *Biomed Pharmacother.* 2020 Feb;122:109692. WB ; Mouse . 31918268

[IF=2.66] Song, Fuyong, et al. "Involvement of autophagy in tri-ortho-cresyl phosphate-induced delayed neuropathy in hens." *Neurochemistry International* (2013). WB ; =" " . 24220541

[IF=2.742] Liu, Yanrong. et al. Cinnamaldehyde affects lipid droplets metabolism after adipogenic differentiation of C2C12 cells. *MOL BIOL REP.* 2022 Dec;;1-7 WB ; Mouse . 36538173

[IF=3.115] Pengfei Zhang. et al. The Effects of Ginkgo biloba Extract on Autophagy in Human Macrophages Stimulated by Cigarette Smoke Extract. *FRONT BIOSCI-LANDMRK.* 2023 Mar;28(3):50 WB ; Human . 37005757