

bs-2432R**[Primary Antibody]****ATG7/APG7 Rabbit pAb****BioSS**
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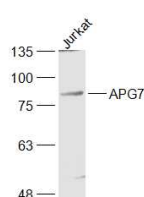
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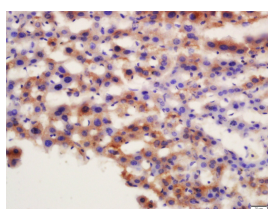
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 10533 Target: ATG7/APG7 Immunogen: KLH conjugated synthetic peptide derived from human ATG7: 21-120/703. Purification: affinity purified by Protein A Concentration: 1mg/ml 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].	Isotype: IgG SWISS: O95352	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 Subcellular Location: Cytoplasm
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— 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

— SELECTED CITATIONS —

- **[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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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