

**bs-4012R****[ Primary Antibody ]**

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**ATG12 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog)  <b>Predicted MW.:</b> 15/21 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9140	<b>SWISS:</b> O94817	
<b>Target:</b> ATG12		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Apg12: 101-140/140.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998[PubMed 9852036]).[supplied by OMIM].		

**— SELECTED CITATIONS —**

- **[IF=4.966]** Hui Che. et al. Melatonin exerts neuroprotective effects by inhibiting neuronal pyroptosis and autophagy in STZ - induced diabetic mice. Faseb J. 2020 Oct;34(10):14042-14054 WB,IF,IHC ;Mouse, Human. 32910484
- **[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