

**bs-4012R****[ Primary Antibody ]****ATG12 Rabbit pAb**

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**— DATASHEET —**

|   |                      |   |
|---|----------------------|---|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500)<br><b>ELISA</b> (1:5000-10000)<br><br><b>Reactivity:</b> Mouse, Rat<br>(predicted: Human, Rabbit,<br>Pig, Cow, Dog)<br><br><b>Predicted<br/>MW.:</b> 15/21 kDa<br><br><b>Subcellular<br/>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:<br>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%<br>Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated<br>freeze/thaw cycles.  |                      |   |
| <b>Background:</b> Autophagy is a process of bulk protein degradation in which<br>cytoplasmic components, including organelles, are enclosed in<br>double-membrane structures called autophagosomes and<br>delivered to lysosomes or vacuoles for degradation. ATG12 is the<br>human homolog of a yeast protein involved in autophagy<br>(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