bs-22897R **[Primary Antibody]**

ATG13 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9776 **SWISS:** O75143

Target: ATG13

Immunogen: KLH conjugated synthetic peptide derived from human ATG13: 41-140/517.

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: Autophagy factor required for autophagosome formation. Target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex.

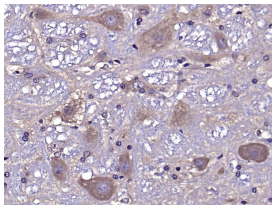
Applications: **IHC-P** (1:400-800)
IHC-F (1:400-800)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human, Rabbit, Pig, Sheep, Chicken, Dog)

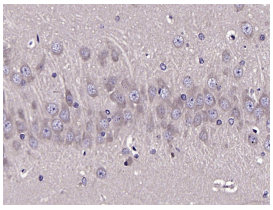
Predicted MW.: 57 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATG13) Polyclonal Antibody, Unconjugated (bs-22897R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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SELECTED CITATIONS

- **[IF=4.2]** Yu Zhang. et al. FoxO1 silencing in Atp7b−/− neural stem cells attenuates high copper-induced apoptosis via regulation of autophagy. J NEUROCHEM. 2024 Jun;: WB ;Mouse. 38837406