

bs-20429R**[Primary Antibody]****phospho-APG4B (Ser34) Rabbit pAb****Bioss**
ANTIBODIES

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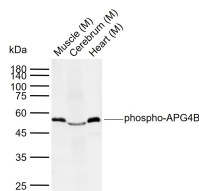
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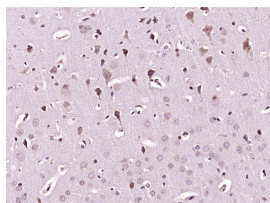
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 23192	SWISS: Q9Y4P1	IHC-F (1:100-500)
Target: APG4B (Ser34)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human APG4B around the phosphorylation site of Ser34: KY(p-S)IF.		Reactivity: Mouse, Rat (predicted: Human, Pig)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 44 kDa
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.		Subcellular Location: Cytoplasm
Background: ATG4B is a cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes.		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Muscle tissue lysates
 Lane 2: Mouse Cerebrum tissue lysates Lane 3:
 Mouse Heart tissue lysates Primary: Anti-
 phospho-APG4B (Ser34) (bs-20429R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 44 kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded
 (Rat brain); 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 (phospho-APG4B (Ser34))
 Polyclonal Antibody, Unconjugated (bs-20429R)
 at 1:400 overnight at 4°C, followed by operating
 according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.