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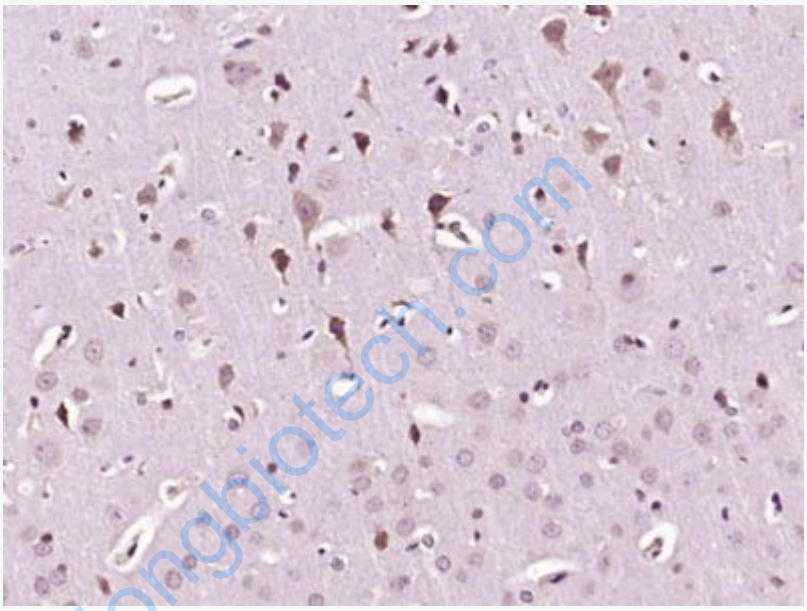
Rabbit Anti-phospho-APG4B (Ser34) antibody

SL20429R

Product Name:	phospho-APG4B (Ser34)
Chinese Name:	磷酸化自噬相关蛋白4B抗体
Alias:	APG4B (phospho-Ser34); APG4B (phospho Ser34); APG4B (phospho S34); APG4B (p-Ser34); p-APG4B (Ser34); APG4B; ATG4 autophagy related 4 homolog B (S. cerevisiae); AUT like 1 cysteine endopeptidase; AUTL1; Autophagin 1; Autophagy related cysteine endopeptidase 1; Autophagy related protein 4 homolog B; Cysteine protease ATG4B; hAPG4B; MGC1353br; ATG4B_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human APG4B around the phosphorylation site of Ser34:KY(p-S)IF
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **Function:** 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. **Subcellular Location:** Cytoplasm (Probable). **Tissue Specificity:** Mainly expressed in the skeletal muscle, followed by brain, heart, liver and pancreas. **Similarity:** Belongs to the peptidase C54 family. **SWISS:** Q9Y4P1 **Gene ID:** 23192 **Database links:** Entrez Gene: 23192 Human Entrez Gene: 66615 Mouse Entrez Gene: 316640 Rat Omim: 611338 Human SwissProt: Q9Y4P1 Human SwissProt: Q8BGE6 Mouse SwissProt: Q62625 Rat Unigene: 283610 Human Unigene: 29087 Mouse

	Unigene: 163086 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 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 (SL20429R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.