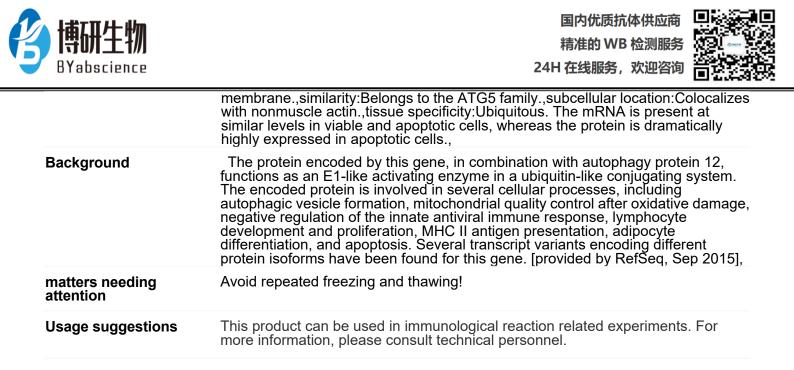




ATG5 rabbit pAb

Catalog No	BYab-12417
Isotype	lgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	ATG5 APG5L ASP
Protein Name	ATG5
Immunogen	Synthesized peptide derived from human ATG5 AA range: 180-260
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat ATG5
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Autophagy protein 5 (APG5-like; Apoptosis-specific protein)
Observed Band	51kD
Cell Pathway	Cytoplasm . Preautophagosomal structure membrane; Peripheral membrane protein. Colocalizes with nonmuscle actin. The conjugate detaches from the membrane immediately before or after autophagosome formation is completed (By similarity). Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme
Tissue Specificity	Ubiquitous. The mRNA is present at similar levels in viable and apoptotic cells, whereas the protein is dramatically highly expressed in apoptotic cells.
Function	function:May play an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity.,function:Required for autophagy. Conjugates to ATG12 and associates with isolation membrane to form cup-shaped isolation membrane and autophagosome. The conjugate detaches from the membrane immediately before or after autophagosome formation is completed.,induction:By apoptotic stimuli.,PTM:Conjugated to ATG12; which is essential for autophagy, but is not required for association with isolation

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