

## ATG12 rabbit pAb

<b>Catalog No :</b>	YT7272
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	ATG12
<b>Fields :</b>	>>FoxO signaling pathway;>>Autophagy - other;>>Autophagy - animal;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>Shigellosis
<b>Gene Name :</b>	ATG12 APG12 APG12L
<b>Protein Name :</b>	ATG12
<b>Human Gene Id :</b>	9140
<b>Human Swiss Prot No :</b>	O94817
<b>Mouse Gene Id :</b>	67526
<b>Mouse Swiss Prot No :</b>	Q9CQY1
<b>Rat Gene Id :</b>	361321
<b>Rat Swiss Prot No :</b>	Q2TBJ5
<b>Immunogen :</b>	Synthesized peptide derived from human ATG12 AA range: 80-130
<b>Specificity :</b>	This antibody detects endogenous levels of ATG12 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	15kD
<b>Background :</b>	Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).[supplied by OMIM, Mar 2008],
<b>Function :</b>	function:Required for autophagy.,similarity:Belongs to the ATG12 family.,subunit:Conjugated to ATG5.,tissue specificity:Ubiquitous.,
<b>Subcellular Location :</b>	Cytoplasm . Preautophagosomal structure membrane ; Peripheral membrane protein . TECPR1 recruits the ATG12-ATG5 conjugate to the autolysosomal membrane.
<b>Expression :</b>	Ubiquitous.

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