

## Product datasheet for TA357523

### Atg7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Rat Atg7
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat <b>Homology:</b> Cow: 86%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	76kDa
Gene Name:	autophagy related 7
Database Link:	<a href="#">NP_001012097</a> <a href="#">Entrez Gene 312647 Rat</a> <a href="#">Q641Y5</a>
Background:	Atg7 functions as an E1 enzyme essential for multisubstrates such as ATG8-like proteins and ATG12. It forms intermediate conjugates with ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A). PE-conjugation to ATG8-like proteins is essential for autophagy. It also acts as an E1 enzyme for ATG12 conjugation to ATG5 and ATG3.
Synonyms:	APG7-LIKE; APG7L; DKFZp434N0735; GSA7; hAGP7



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## Product images:



Host: Rabbit  
Target Name: Atg7  
Sample Type: Rat Thymus lysates  
Antibody Dilution: 1.0ug/ml