# antibodies - online.com







# anti-ATG12 antibody (AA 101-187)

Publication **Images** 



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Quantity:	100 μL
Target:	ATG12
Binding Specificity:	AA 101-187
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),
	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded
	Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

# **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ATG12
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.
Tanad Dataila	

# Target Details

Target: ATG12

# **Target Details**

Alternative Name:	Apg12 (ATG12 Products)		
Background:	Synonyms: APG12, FBR93, APG12L, HAPG12, Ubiquitin-like protein ATG12, Autophagy-related		
	protein 12, APG12-like, ATG12		
	Background: Ubiquitin-like protein involved in autophagy vesicles formation. Conjugation with		
	ATG5 through a ubiquitin-like conjugating system involving also ATG7 as an E1-like activating		
	enzyme and ATG1 as an E2-like conjugating enzyme, is essential for its function. The ATG12-		
	ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family		
	proteins and their association to the vesicle membranes. The ATG12-ATG5 conjugate also		
	regulates negatively the innate antiviral immune response by blocking the type I IFN production		
	pathway through direct association with RARRES3 and MAVS. Plays also a role in translation or		
	delivery of incoming viral RNA to the translation apparatus.		
Gene ID:	9140		
UniProt:	094817		
Pathways:	Autophagy		
Application Details			
Application Notes:	WB 1:300-5000		
	ELISA 1:500-1000		
	IHC-P 1:200-400		
	IHC-F 1:100-500		
	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 μg/μL		
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.		
Preservative:	ProClin		
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be		
	handled by trained staff only.		

# Handling

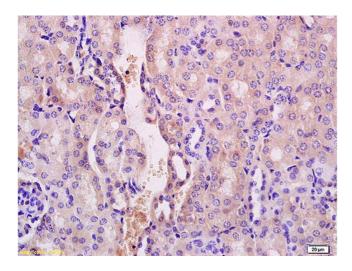
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Publications**

Product cited in:

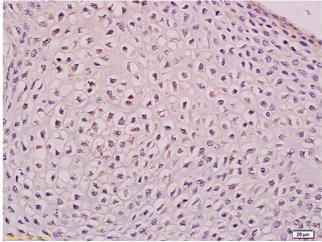
Song, Kou, Zou, Gao, Zeng, Xie: "Involvement of autophagy in tri-ortho-cresyl phosphate-induced delayed neuropathy in hens." in: **Neurochemistry international**, Vol. 64, pp. 1-8, (2013) ( PubMed).

#### **Images**



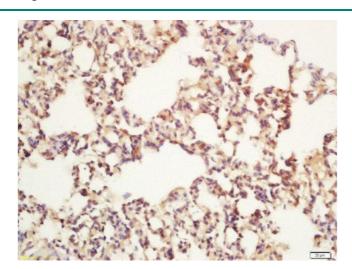
# **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded mouse Kidney tissue labeled with Anti Apg12 Polyclonal Antibody, unconjugated (ABIN752518) at 1:200 followed by incubation with conjugated secondary antibody and DAB staining.



#### **Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded mouse embryo tissue labeled with Anti Apg12 Polyclonal Antibody,Unconjugated (ABIN752518) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



# Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded rat lung labeled with Rabbit Anti-Apg12 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining