



ATG10 Polyclonal Antibody

Catalog No	YP-Ab-10725
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	ATG10 APG10L PP12616
Immunogen	Synthetic peptide from human protein at AA range: 1-50
Specificity	The antibody detects endogenous ATG10
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 antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.3.2.-;Autophagy-related protein 10;Autophagy related protein 10;APG10-like;APG10L;ATG10;ATG10 APG10L PP12616;Ubiquitin-like-conjugating enzyme ATG10 (EC 6.3.2.-) (Autophagy-related protein 10) (APG10-like); Ubiquitin-like-conjugating enzyme ATG10 (EC 6.3.2.-;APG10-like)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm .
Tissue Specificity	Placenta,Testis,Thymus,Uterus,
Function	function:Plays a role in autophagy (By similarity). ATG12-conjugating enzyme (E2-like enzyme), likely serves as an ATG5-recognition molecule., similarity:Belongs to the ATG10 family.,subunit:Interacts with MAP1LC3A. By interacting with MAP1LC3A, it plays a role in the conjugation of ATG12 to ATG5. Also able to directly interact either with ATG5 or ATG7.,
Background	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3



(MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM, Mar 2008],

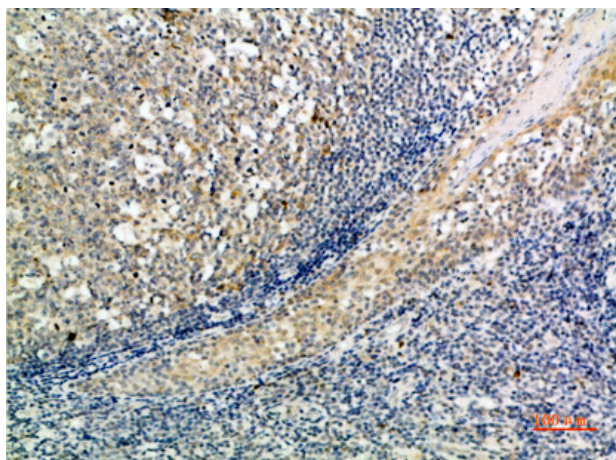
matters needing attention

Avoid repeated freezing and thawing!

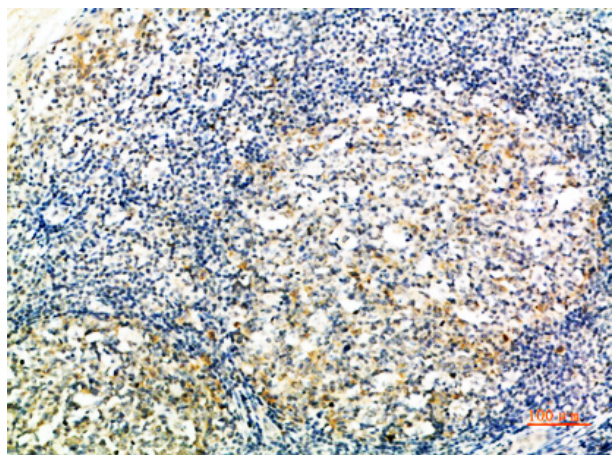
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



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