



# ATG10 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYab-10725   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | IHC;IF;ELISA   |
| <b>Gene Name</b>          | ATG10 APG10L PP12616   |
| <b>Protein Name</b>       | Ubiquitin-like-conjugating enzyme ATG10 (EC 6.3.2.-) (Autophagy-related protein 10) (APG10-like)   |
| <b>Immunogen</b>          | Synthetic peptide from human protein at AA range: 1-50   |
| <b>Specificity</b>        | The antibody detects endogenous ATG10  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | Ubiquitin-like-conjugating enzyme ATG10 (EC 6.3.2.-;Autophagy-related protein 10;APG10-like)   |
| <b>Observed Band</b>      |  |
| <b>Cell Pathway</b>       | Cytoplasm .  |
| <b>Tissue Specificity</b> | Placenta,Testis,Thymus,Uterus,   |
| <b>Function</b>           | 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.,                      |
| <b>Background</b>         | 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 |

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al., 2003 [PubMed 12890687]).[supplied by OMIM, Mar 2008],

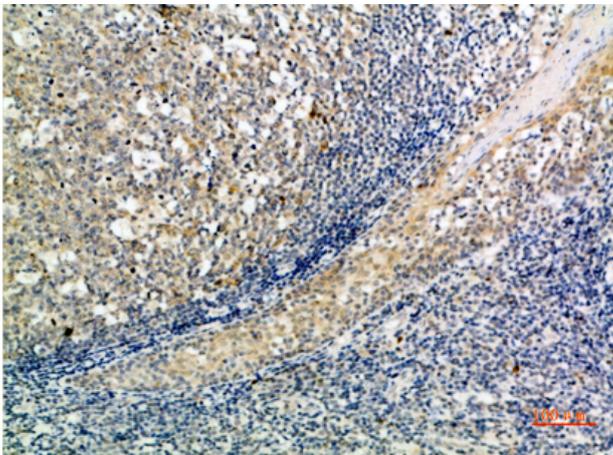
**matters needing attention**

Avoid repeated freezing and thawing!

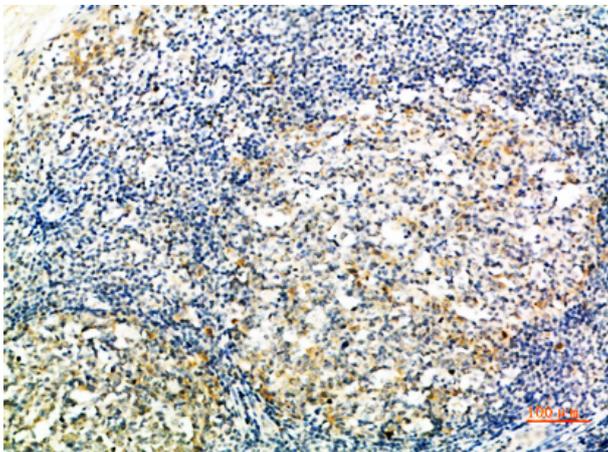
**Usage suggestions**

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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