

Product datasheet for **AP32178PU-N**

Apg12 (ATG12) (N-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1/1,000. Western blot: 1/100 (Ref.2). Immunohistochemistry on Paraffin Sections: 1/50-1/100. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | KLH conjugated synthetic peptide between 44~73 amino acids from the N-term of Human APG12L |
| Specificity: | This antibody recognizes Human APG12L (N-term). Other species not tested. |
| Formulation: | PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Saturated Ammonium Sulfate precipitation followed by dialysis against PBS |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 15113 Da |
| Gene Name: | autophagy related 12 |
| Database Link: | Entrez Gene 9140 Human O94817 |



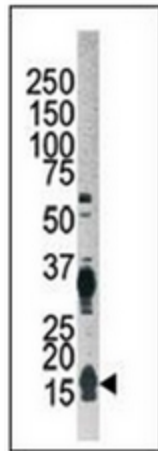
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Background:

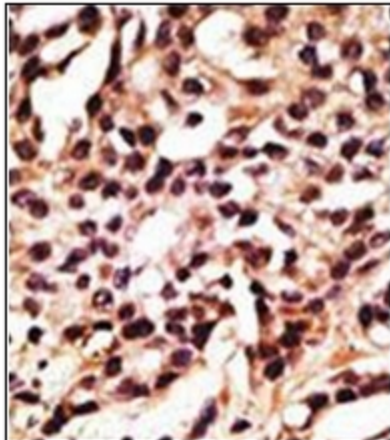
Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). APG12L is the human homolog of yeast APG12, a ubiquitin-activating enzyme E1-like protein essential for the conjugation system that mediates membrane fusion in autophagy.

Synonyms:

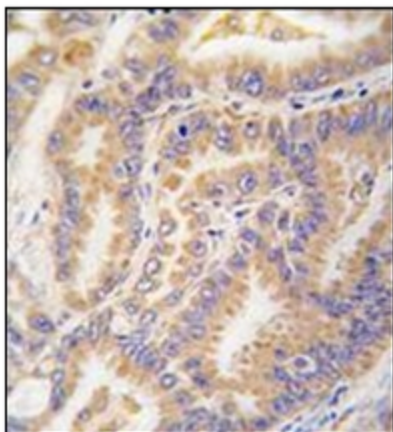
APG12L, Autophagy-related protein 12, APG12-like

Product images:

Western blot analysis of purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with Autophagy APG12L Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Autophagy APG12L Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.