





## ATG13 mouse mAb

| Catalog No                | YP-mAb-10312   |
|---------------------------|--|
| Isotype                   | IgG  |
| Reactivity                | Human; Mouse;Rat   |
| Applications              | WB   |
| Gene Name                 | ATG13 KIAA0652   |
| Protein Name              | ATG13  |
| Immunogen                 | Synthesized peptide derived from human ATG13 AA range: 182-232   |
| Specificity               | This antibody detects endogenous levels of ATG13 at Human, Mouse,Rat   |
| Formulation               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.19% sodium azide.  |
| Source                    | Monoclonal, Mouse,IgG  |
| Purification              | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution                  | WB 1:500-1:2000  |
| Concentration             | 1 mg/ml  |
| Purity                    | ≥90%   |
| Storage Stability         | -20°C/1 year   |
| Synonyms                  | Autophagy-related protein 13   |
| Observed Band             | 72kD   |
| Cell Pathway              | Cytoplasm, cytosol . Preautophagosomal structure . Under starvation conditions, is localized to puncate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation  |
| Tissue Specificity        |  |
| Function                  |  |
| Background                | Atg13 was identified as a constitutively expressed protein that was genetically linked to Atg1/Apg1, a protein kinase required for autophagy. Overexpression of Atg1 suppresses the defects in autophagy observed in Atg13 mutants. Autophagy requires a direct association between Atg1 and Atg13, and is inhibited by TOR-dependent phosphorylation of Atg13 under high-nutrient conditions. |
| matters needing attention | Avoid repeated freezing and thawing!   |
|                           |  |



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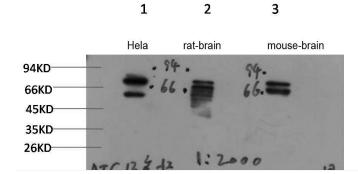




**Usage suggestions** 

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

## **Products Images**



Western Blot analysis of various cells using ATG13 mouse mAb