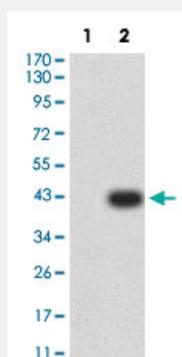


# ATG3 monoclonal antibody, clone 2C10A12

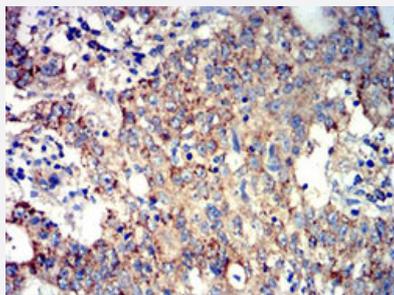
Catalog # MAB17913      Size 100 ug

## Applications



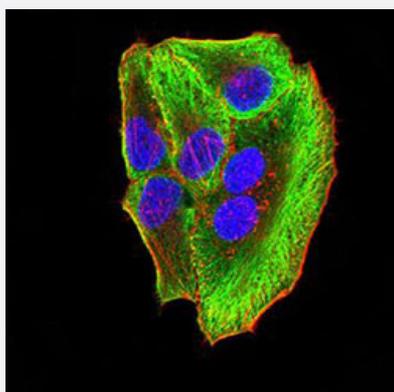
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ATG3-hlgGfc transfected HEK293 cell lysates with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).



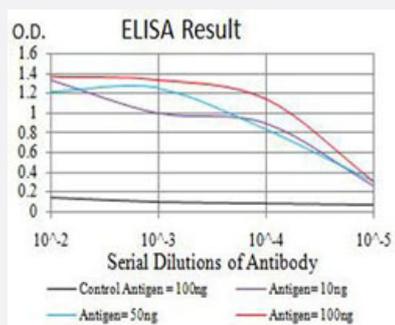
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach carcinoma with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).



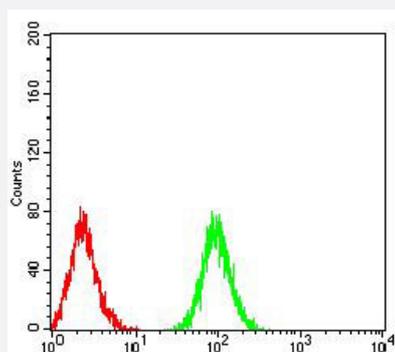
### Immunofluorescence

Immunofluorescent staining of SMMC-7721 cells with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



## Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).



## Flow Cytometry

Flow cytometric analysis of Jurkat cells with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913) (Green). Red: Negative Control.

## Specification

**Product Description** Mouse monoclonal antibody raised against partial recombinant human ATG3.

**Immunogen** Recombinant protein corresponding to amino acids 1-100 of human ATG3.

**Host** Mouse

**Theoretical MW (kDa)** 35.9

**Reactivity** Human

**Form** Liquid

**Isotype** IgG1

**Recommend Usage**

- ELISA (1:10000)
- Flow Cytometry (1:200-1:400)
- Immunofluorescence (1:200-1:1000)
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Western Blot (1:100-1:500)

The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS (0.05% sodium azide).

**Storage Instruction** Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

**Note** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ATG3-hlgGfc transfected HEK293 cell lysates with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach carcinoma with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913).

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Flow cytometric analysis of Jurkat cells with ATG3 monoclonal antibody, clone 2C10A12 (Cat # MAB17913) (Green). Red: Negative Control.

## Gene Info — ATG3

|                           |   |
|---------------------------|---|
| <b>Entrez GeneID</b>      | <a href="#">64422</a>   |
| <b>Protein Accession#</b> | <a href="#">Q9NT62</a>  |
| <b>Gene Name</b>          | ATG3  |
| <b>Gene Alias</b>         | APG3, APG3-LIKE, APG3L, DKFZp564M1178, FLJ22125, MGC15201, PC3-96 |
| <b>Gene Description</b>   | ATG3 autophagy related 3 homolog (S. cerevisiae)                  |
| <b>Omim ID</b>            | <a href="#">609606</a>  |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>   |

**Gene Summary**

Autophagy is a process of bulk degradation of cytoplasmic components by the lysosome or vacuole. Human ATG3 displays the same enzymatic characteristics in vitro as yeast Apg3, a protein-conjugating enzyme essential for autophagy (Tanida et al., 2002 [PubMed 11825910]).[supplied by OMIM]

**Other Designations**

2610016C12Rik|APG3 autophagy 3-like|Apg3p|autophagy Apg3p/Aut1p-like

## Pathway

- [Regulation of autophagy](#)

## Disease

- [Huntington Disease](#)