

# Anti-UFD1L Rabbit Monoclonal Antibody

Catalog # ABO16459

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IF, ICC, FC                                                                                                                         |
| <b>Primary Accession</b> | <a href="#">Q92890</a>                                                                                                                  |
| <b>Host</b>              | Rabbit                                                                                                                                  |
| <b>Isotype</b>           | IgG                                                                                                                                     |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                       |
| <b>Clonality</b>         | Monoclonal                                                                                                                              |
| <b>Format</b>            | Liquid                                                                                                                                  |
| <b>Description</b>       | Anti-UFD1L Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Gene ID</b>             | 7353                                                                                                                                                                                                       |
| <b>Other Names</b>         | Ubiquitin recognition factor in ER-associated degradation protein 1 {ECO:0000312 HGNC:HGNC:12520}, Ubiquitin fusion degradation protein 1, UB fusion protein 1, UFD1 ( <a href="#">HGNC:12520</a> ), UFD1L |
| <b>Calculated MW</b>       | 34500                                                                                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                                                                                                            |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                        |
| <b>Clone Names</b>         | Clone: 29U95                                                                                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human UFD1L                                                                                                                                                             |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                 |

## Protein Information

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|-----------------|-------------------------------------|
| <b>Name</b>     | UFD1 ( <a href="#">HGNC:12520</a> ) |
| <b>Synonyms</b> | UFD1L                               |

**Function**

Essential component of the ubiquitin-dependent proteolytic pathway which degrades ubiquitin fusion proteins. The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1- VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope. It may be involved in the development of some ectoderm-derived structures (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and NPLOC4, which binds to RIGI and recruits RNF125 to promote ubiquitination and degradation of RIGI (PubMed:[26471729](#)).

**Cellular Location**

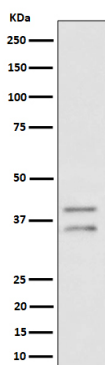
Nucleus {ECO:0000250|UniProtKB:Q9ES53}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9ES53}

**Tissue Location**

Found in adult heart, skeletal muscle and pancreas, and in fetal liver and kidney

**Images**

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Western blot analysis of UFD1L expression in HeLa cell lysate.

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