

# Ube1L/UBA7 Rabbit mAb

Catalog # AP78841

## Product Information

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|--------------------------|---|
| <b>Application</b>       | WB, IHC-P, FC   |
| <b>Primary Accession</b> | <a href="#">P41226</a>                                |
| <b>Reactivity</b>        | Rat, Human, Mouse                                     |
| <b>Host</b>              | Rabbit  |
| <b>Clonality</b>         | Monoclonal Antibody                                   |
| <b>Isotype</b>           | IgG   |
| <b>Conjugate</b>         | Unconjugated  |
| <b>Immunogen</b>         | A synthesized peptide derived from human Ube1L / UBA7 |
| <b>Purification</b>      | Affinity Chromatography                               |
| <b>Calculated MW</b>     | 111694  |

## Additional Information

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|--------------------|--|
| <b>Gene ID</b>     | 7318   |
| <b>Other Names</b> | UBA7   |
| <b>Dilution</b>    | WB~~1/500-1/1000 IHC-P~~N/A FC~~1:10~50  |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

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|                 |   |
|-----------------|---|
| <b>Name</b>     | UBA7 {ECO:0000303 PubMed:28397838, ECO:0000312 HGNC:HGNC:12471}   |
| <b>Function</b> | E1-activating enzyme that catalyzes the covalent conjugation of the ubiquitin-like protein product of ISG15 to additional interferon stimulated proteins (ISGs) as well as other cellular proteins such as P53 in a process termed protein ISGylation (PubMed: <a href="#">27545325</a> ). Plays an essential role in antiviral immunity together with ISG15 by restricting the replication of many viruses including rabies virus, influenza virus, sindbis virus, rotavirus or human cytomegalovirus (PubMed: <a href="#">16254333</a> , PubMed: <a href="#">19073728</a> , PubMed: <a href="#">29056542</a> , PubMed: <a href="#">29743376</a> , PubMed: <a href="#">37722521</a> ). For example, ISG15 modification of influenza A protein NS1 disrupts the association of the NS1 with importin-alpha leading to NS1 nuclear import inhibition (PubMed: <a href="#">20133869</a> ). ISGylation of human cytomegalovirus protein UL26 regulates its stability and inhibits its activities to suppress NF-kappa-B signaling (PubMed: <a href="#">27564865</a> ). |

**Cellular Location**

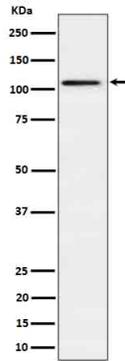
Cytoplasm. Nucleus

**Tissue Location**

Expressed in a variety of normal and tumor cell types, but is reduced in lung cancer cell lines

**Images**

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