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# Anti-Ube1L / UBA7 Rabbit Monoclonal Antibody

Catalog # ABO16637

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, FC |
| **Primary Accession** | P41226 |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Format** | Liquid |
| **Description** | Anti-Ube1L / UBA7 Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|---|---|
| **Gene ID** | 7318 |
| **Other Names** | Ubiquitin-like modifier-activating enzyme 7, Ubiquitin-activating enzyme 7, 6.2.1.-, D8, Ubiquitin-activating enzyme E1 homolog, UBA7 {ECO:0000303\|PubMed:28397838, ECO:0000312\|HGNC:HGNC:12471} |
| **Calculated MW** | 111694 |
| **Application Details** | WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:50 |
| **Source** | Eukaryota |
| **Contents** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA. |
| **Clone Names** | Clone: 31U08 |
| **Immunogen** | A synthesized peptide derived from human Ube1L / UBA7 |
| **Purification** | Affinity-chromatography |
| **Storage** | 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

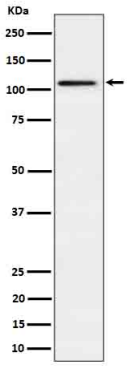
| | |
|---|---|
| **Name** | UBA7 {ECO:0000303\|PubMed:28397838, ECO:0000312\|HGNC:HGNC:12471} |
| **Function** | E1-activating enzyme that catalyzes the covalent conjugation of the ubiquitin-like protein product of ISG15 to additional interferon stimulated |

proteins (ISGs) as well as other cellular proteins such as P53 in a process termed protein ISGylation (PubMed:27545325). 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:16254333, PubMed:19073728, PubMed:29056542, PubMed:29743376, PubMed:37722521). 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:20133869). ISGylation of human cytomegalovirs protein UL26 regulates its stability and inhibits its activities to suppress NF-kappa-B signaling (PubMed:27564865).

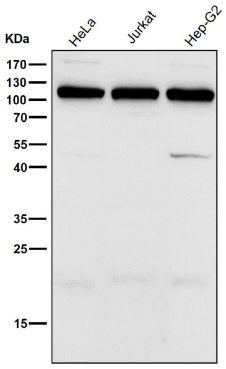
**Cellular Location** Cytoplasm. Nucleus

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

## Images




Western blot analysis of Ube1L / UBA7 in HepG2 cell lysate.




All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.