

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

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 IHC 1:50-1:200 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 cytomegalovirus protein UL26 regulates its stability and inhibits its activities to suppress NF-kappa-B signaling (PubMed:[27564865](#)).

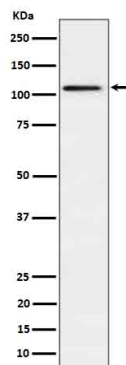
Cellular Location

Cytoplasm. Nucleus

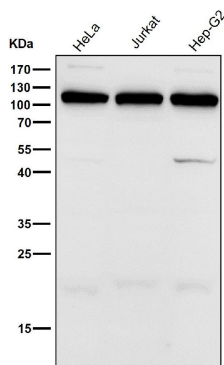
Tissue Location

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'.