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Recombinant Anti-UBA7 Rabbit mAb

Catalog # AP95333

Product Information

Application	WB, IHC, FC
Primary Accession	P41226
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	111694

Additional Information

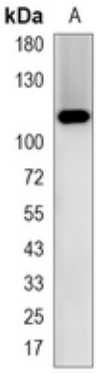
Gene ID	7318
Other Names	UBE1L; UBE2; Ubiquitin-like modifier-activating enzyme 7; Ubiquitin-activating enzyme 7; D8; Ubiquitin-activating enzyme E1 homolog
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human UBA7 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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 UBA7 expression in HepG2 (A) whole cell lysates. (Predicted band size: 112 kD; Observed band size: 112 kD)

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