

UBE1L / UBA7 Antibody (aa963-1012)
Rabbit Polyclonal Antibody
Catalog # ALS15089**Specification****UBE1L / UBA7 Antibody (aa963-1012) - Product Information**

Application	WB, IHC
Primary Accession	P41226
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112kDa KDa

UBE1L / UBA7 Antibody (aa963-1012) - Additional Information**Gene ID** 7318**Other Names**

Ubiquitin-like modifier-activating enzyme 7, Ubiquitin-activating enzyme 7, D8, Ubiquitin-activating enzyme E1 homolog, UBA7, UBE1L, UBE2

Target/Specificity

UBE1L Antibody detects endogenous levels of total UBE1L protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

UBE1L / UBA7 Antibody (aa963-1012) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE1L / UBA7 Antibody (aa963-1012) - 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

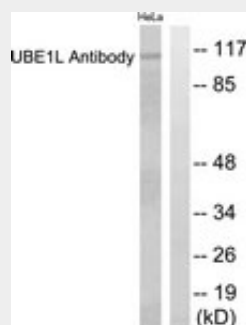
Volume

50 µl

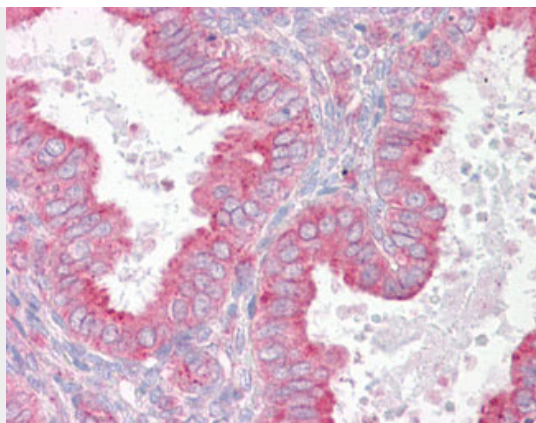
UBE1L / UBA7 Antibody (aa963-1012) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBE1L / UBA7 Antibody (aa963-1012) - Images

Western blot of extracts from HeLa cells, using UBE1L Antibody.



Anti-UBA7 / UBE1L antibody IHC of human uterus.

UBE1L / UBA7 Antibody (aa963-1012) - Background

Activates ubiquitin by first adenylating with ATP its C- terminal glycine residue and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin- E1 thioester and free AMP. Catalyzes the ISGylation of influenza A virus NS1 protein.

UBE1L / UBA7 Antibody (aa963-1012) - References

- Kok K.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:6071-6075(1993).
Kok K.,et al.Gene Expr. 4:163-175(1995).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).