



UBE1L Monoclonal Antibody

Catalog No	YP-Ab-02342
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	UBA7
Immunogen	Purified recombinant fragment of human UBE1L expressed in E. Coli.
Specificity	UBE1L Monoclonal Antibody detects endogenous levels of UBE1L protein.
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	UBA7;D8;EC:6.2.1.-;UBA 7;UBA1B;UBE1L;Ubiquitin-like modifier-activating enzyme 7;UBE2;Ubiquitin-activating enzyme 7;Ubiquitin-activating enzyme E1 homolog
Observed Band	
Calculated Molecular Weight	
Cell Pathway	nucleus,nucleoplasm,cytosol,
Tissue Specificity	Expressed in a variety of normal and tumor cell types, but is reduced in lung cancer cell lines.
Function	function: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 an ubiquitin-E1 thioester and free AMP.,miscellaneous:There are two active sites within the E1 molecule, allowing it to accommodate two ubiquitin moieties at a time, with a new ubiquitin forming an adenylate intermediate as the previous one is transferred to the thiol site.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the ubiquitin-activating E1 family.,subunit:Monomer (By similarity). Binds and is involved in the conjugation of G1P2/ISG15.,tissue specificity:Expressed in a variety of normal and tumor cell types, but is reduced in lung cancer cell lines.,



Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein. [provided by RefSeq, Jul 2008],

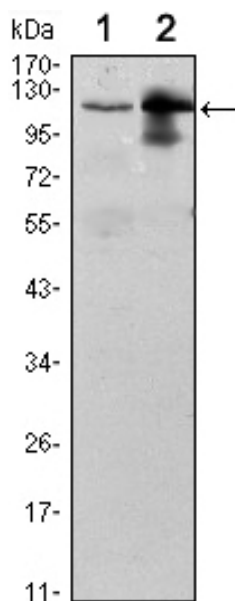
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using UBE1L Monoclonal Antibody against Raji (1) and THP-1 (2) cell lysate.