

Product datasheet for **CF811881**

UBE1C (UBA3) Mouse Monoclonal Antibody [Clone ID: OTI1B9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B9
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-463 of human UBA3 (NP_003959) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.7 kDa
Gene Name:	ubiquitin like modifier activating enzyme 3
Database Link:	NP_003959 Entrez Gene 22200 MouseEntrez Gene 117553 RatEntrez Gene 476560 DogEntrez Gene 696493 MonkeyEntrez Gene 9039 Human Q8TBC4



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Background:

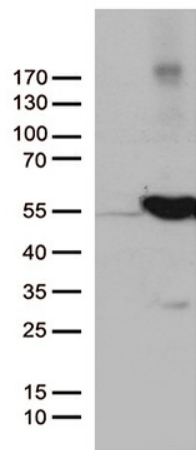
The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

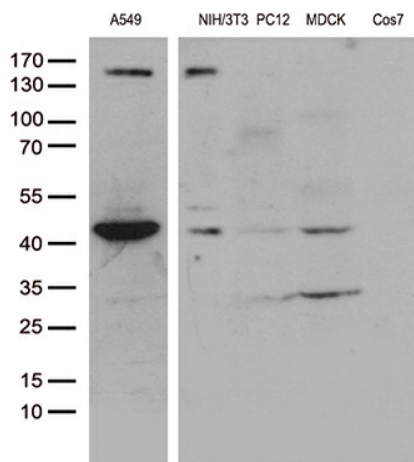
hUBA3; NAE2; UBE1C

Protein Pathways:

Ubiquitin mediated proteolysis

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UBA3 ([RC204675], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UBA3 (1:500). Positive lysates [LY418315] (100ug) and [LC418315] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from different 5 cell lines by using anti-UBA3 monoclonal antibody (1:500).