

Product datasheet for CF803573

UBE2B Mouse Monoclonal Antibody [Clone ID: OT1E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT1E11
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UBE2B (NP_003328) 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:	17.1 kDa
Gene Name:	Homo sapiens ubiquitin conjugating enzyme E2 B (UBE2B), mRNA.
Database Link:	NP_003328 Entrez Gene 22210 Mouse Entrez Gene 81816 Rat Entrez Gene 7320 Human P63146



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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 E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair. Its protein sequence is 100% identical to the mouse, rat, and rabbit homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. [provided by RefSeq, Jul 2008]

Synonyms:

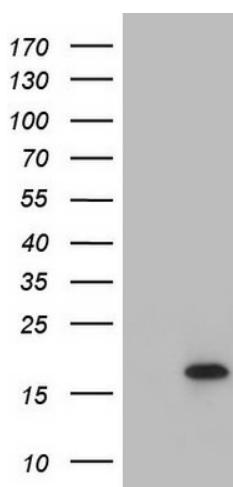
E2-17kDa; HHR6B; HR6B; RAD6B; UBC2

Protein Families:

Druggable Genome

Protein Pathways:

Ubiquitin mediated proteolysis

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UBE2B (Cat# [RC203306], 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-UBE2B (Cat# [TA803573]). Positive lysates [LY418755] (100ug) and [LC418755] (20ug) can be purchased separately from OriGene.