

## Product datasheet for **TA329833**

### UBE2D1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MKRN1 antibody: synthetic peptide directed towards the N terminal of human MKRN1. Synthetic peptide located within the following region: GDRCRYEHSKPLKQEEATATELTKSSLAASSSLSSIVGPLVEMNTGEAE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16 kDa
Gene Name:	ubiquitin conjugating enzyme E2 D1
Database Link:	<a href="#">NP_003329</a> <a href="#">Entrez Gene 7321 Human</a> <a href="#">P51668</a>



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**Background:**

The Makorin ring finger protein-1 gene (MKRN1) is a highly transcribed, intron-containing source for a family of intronless mammalian genes encoding a novel class of zinc finger proteins. Phylogenetic analyses indicate that the MKRN1 gene is the ancestral founder of this gene family. 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 closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.

**Synonyms:**

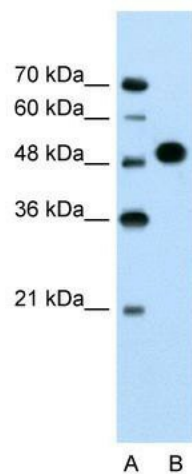
5; E2(17)KB1; SFT; UBC4; UBCH5; UBCH5A

**Note:**

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 83%; Zebrafish: 77%

**Protein Pathways:**

Ubiquitin mediated proteolysis

**Product images:**

WB Suggested Anti-MKRN1 Antibody Titration:  
1.25 ug/ml; Positive Control: Jurkat cell lysate