

## Product datasheet for **TA306183**

### UBE2N Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	UBC13 antibody can be used for detection of UBC13 by Western blot at 0.5 to 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 10 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	UBC13 antibody was raised against a peptide corresponding to 15 amino acids near the C-terminus of human UBC13.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	UBC13 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ubiquitin conjugating enzyme E2 N
Database Link:	<a href="#">AAP35519</a> <a href="#">Entrez Gene 7334 Human</a> <a href="#">P61088</a>



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**Background:**

Ubiquitin-conjugating enzyme 13 (Ubc13) was initially discovered in *S. cerevisiae* as a DNA-damage inducible protein involved in the error-free DNA postreplication repair pathway (1). It has recently been shown to be an important component of the Toll-like receptor and IL-1R signaling pathway (reviewed in 2). Signals from these pathways are relayed by a number of downstream molecules such as MyD88 and tumor necrosis factor receptor associated factor (TRAF6), ultimately activating various kinases and transcription factors (2,3). Ubc13 is part of a dimeric ubiquitin-conjugating enzyme complex also containing UEV1A (ubiquitin-conjugating enzyme E2 variant 1) that together with TRAF6 activates TAK1, a member of the mitogen-activated protein kinase kinase kinase family (4-6). The Ubc13-UEV1A complex also mediates the Lys-63 ubiquitination of TRAF-6, and this ubiquitination is essential for TAK1 activation (5).

**Synonyms:**

HEL-S-71; UBC13; Ubch-ben; Ubch13; UBCHBEN