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UBE2R2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19755c

Product Information

Application	WB, E
Primary Accession	Q712K3
Other Accession	Q29503, Q6ZWZ2, NP_060281.2
Reactivity	Human
Predicted	Mouse, Rabbit, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30672
Calculated MW	27166
Antigen Region	141-169

Additional Information

Gene ID	54926
Other Names	Ubiquitin-conjugating enzyme E2 R2, Ubiquitin carrier protein R2, Ubiquitin-conjugating enzyme E2-CDC34B, Ubiquitin-protein ligase R2, UBE2R2, CDC34B, UBC3B
Target/Specificity	This UBE2R2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 141-169 amino acids from the Central region of human UBE2R2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UBE2R2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBE2R2
Synonyms	CDC34B, UBC3B

Function

E2 ubiquitin-conjugating enzyme that accepts ubiquitin from an E1 ubiquitin-activating protein, and catalyzes its covalent attachment to other proteins by an E3 ubiquitin-protein ligase complex (PubMed:12037680, PubMed:20061386, PubMed:38326650). In vitro catalyzes monoubiquitination and 'Lys-48'-linked polyubiquitination (PubMed:12037680, PubMed:20061386, PubMed:38326650). Works in collaboration with various Cul1-RING and Cul2-RING E3 ligase complexes (PubMed:38326650). May be involved in degradation of katenin (PubMed:12037680).

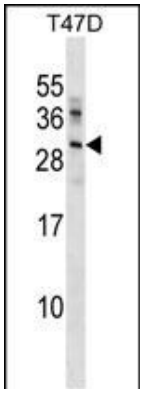
Background

Protein kinase CK2 is a ubiquitous and pleiotropic Ser/Thr protein kinase involved in cell growth and transformation. This gene encodes a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. Studies suggest that CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP, enhancing beta-catenin degradation.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)
Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)
Ferreira, M.A., et al. Nat. Genet. 40(9):1056-1058(2008)
Humphray, S.J., et al. Nature 429(6990):369-374(2004)

Images



UBE2R2 Antibody (Center) (Cat. #AP19755c) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the UBE2R2 antibody detected the UBE2R2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.