



Anti-UBE2N (aa 40-51) polyclonal antibody (DPABH-06041)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The UBE2V1-UBE2N and UBE2V2-UBE2N heterodimers catalyze the synthesis of non-canonical Lys-63-linked polyubiquitin chains. This type of polyubiquitination does not lead to protein degradation by the proteasome. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage. Acts together with the E3 ligases, HLTF and SHPRH, in the Lys-63-linked poly-ubiquitination of PCNA upon genotoxic stress, which is required for DNA repair. Appears to act together with E3 ligase RNF5 in the Lys-63-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD.
Immunogen	Synthetic peptide: AGPQDSPFEGGT conjugated to KLH, corresponding to amino acids 40-51 of Human Ube2N/ Ubc13
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Protein G purified
Conjugate	Unconjugated
Applications	ELISA, WB, IHC-P, ICC/IF
Format	Liquid
Size	50 µg
Buffer	pH: 7.20; Constituents: 0.88% Sodium chloride, 0.27% Potassium phosphate

Preservative	0.01% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	UBE2N ubiquitin-conjugating enzyme E3N [Homo sapiens]
Official Symbol	UBE2N
Synonyms	UBE2N; ubiquitin-conjugating enzyme E2N; UBC13; UbcH13; HEL-S-71; UbcH-ben; ubiquitin-conjugating enzyme E2 N; yeast UBC13 homolog; ubiquitin-protein ligase N; ubiquitin carrier protein N; epididymis secretory protein Li 71; bendless-like ubiquitin conjugating enzyme; bendless-like ubiquitin-conjugating enzyme; ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast); ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13);
Entrez Gene ID	7334
Protein Refseq	NP_003339.1
UniProt ID	P61088
Pathway	Activated TLR4 signalling; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation; Downstream TCR signaling
Function	ATP binding; acid-amino acid ligase activity; poly(A) RNA binding; protein binding
