



Anti-UBE2N monoclonal antibody, clone FQS6273 (DCABH-196)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Ube2N / Ubc13
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 corresponding to residues in Human Ube2N/ Ubc13
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS6273
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Positive Control	Human testis tissue. Jurkat, Daudi and Human heart lysates.
Format	Liquid
Size	100 µl

Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	UBE2N ubiquitin-conjugating enzyme E2N [Homo sapiens]
Official Symbol	UBE2N
Synonyms	UBE2N; ubiquitin-conjugating enzyme E2N; ubiquitin conjugating enzyme E2N (homologous to yeast UBC13) , ubiquitin conjugating enzyme E2N (UBC13 homolog, yeast); ubiquitin-conjugating enzyme E2 N; MGC8489; UBC13; UbcH ben; yeast UBC13 homolog; ubiquitin-p
Entrez Gene ID	7334
Protein Refseq	NP_003339
UniProt ID	P61088
Chromosome Location	12q22
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin binding; ubiquitin-protein ligase activity;