

Anti-UBE2W antibody



Description	Unconjugated Rabbit polyclonal to UBE2W
Model	STJ191209
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human UBE2W protein.
Immunogen Region	90-170aa
Gene ID	55284
Gene Symbol	UBE2W
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	UBE2W Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed, with highest expression in brain, liver, pancreas and heart.
Purification	UBE2W antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ubiquitin-conjugating enzyme E2 W E2 ubiquitin-conjugating enzyme W N-terminal E2 ubiquitin-conjugating enzyme N-terminus-conjugating E2 Ubiquitin carrier protein W Ubiquitin-conjugating enzyme 16 UBC-16 Ubiquitin
Molecular Weight	16 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25616 OMIM:614277
Alternative Names	Ubiquitin-conjugating enzyme E2 W E2 ubiquitin-conjugating enzyme W N-terminal E2 ubiquitin-conjugating enzyme N-terminus-conjugating E2 Ubiquitin carrier protein W Ubiquitin-conjugating enzyme 16 UBC-16 Ubiquitin
Function	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in degradation of misfolded chaperone substrates by mediating monoubiquitination of STUB1/CHIP, leading to recruitment of ATXN3 to monoubiquitinated STUB1/CHIP, and restriction of the length of ubiquitin chain attached to STUB1/CHIP substrates by ATXN3. After UV irradiation, but not after mitomycin-C (MMC) treatment, acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway. In vitro catalyzes 'Lys-11'-linked polyubiquitination. Transfers ubiquitin in complex with RING/U-box type E3s that do not have active site cysteine residues to form thioester bonds with ubiquitin, and preferentially ubiquitinates the N-terminus of substrates, such as ATXN3, STUB1 and SUMO2.
Cellular Localization	Nucleus. In the nucleus, colocalizes with FANCL.
Post-translational Modifications	Ubiquitinated in vitro in the presence of FANCL . Autoubiquitinated at Met-1.