

Anti-UBE2O antibody



Description	Unconjugated Rabbit polyclonal to UBE2O
Model	STJ191598
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	63893
Gene Symbol	UBE2O
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	UBE2O Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Predominantly expressed in skeletal muscle and heart.
Purification	UBE2O antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3-independent E2 ubiquitin-conjugating enzyme E2/E3 hybrid ubiquitin-protein ligase UBE2O Ubiquitin carrier protein O Ubiquitin-conjugating enzyme E2 O Ubiquitin-conjugating enzyme E2 of 230 kDa Ubiquitin-conjugating enzyme
Molecular Weight	142 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:29554OMIM:617649
Alternative Names	E3-independent E2 ubiquitin-conjugating enzyme E2/E3 hybrid ubiquitin-protein ligase UBE2O Ubiquitin carrier protein O Ubiquitin-conjugating enzyme E2 O Ubiquitin-conjugating enzyme E2 of 230 kDa Ubiquitin-conjugating enzyme
Function	E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins . Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity . Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis . Mediates monoubiquitination at different sites of the nuclear localization signal (NLS) of BAP1, leading to cytoplasmic retention of BAP1. Also able to monoubiquitinate the NLS of other chromatin-associated proteins, such as INO80 and CXXC1, affecting their subcellular location . Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASHC1, leading to promote endosomal F-actin assembly .
Cellular Localization	Cytoplasm Nucleus. Mainly localizes to the cytoplasm.
Post-translational Modifications	Phosphorylated. Phosphorylation affects subcellular location. Ubiquitinated: autoubiquitinates, possibly affecting its subcellular location.