Anti-UBR2 antibody

Description	Unconjugated Rabbit polyclonal to UBR2

Model	STJ190796
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	23304
Gene Symbol	UBR2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	UBR2 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level).
Purification	UBR2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase UBR2 N-recognin-2 RING-type E3 ubiquitin transferase UBR2 Ubiquitin-protein ligase E3-alpha-2 Ubiquitin-protein ligase E3-alpha-II
Molecular Weight	193 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:21289OMIM:609134
Alternative Names	E3 ubiquitin-protein ligase UBR2 N-recognin-2 RING-type E3 ubiquitin transferase UBR2 Ubiquitin-protein ligase E3-alpha-2 Ubiquitin-protein ligase E3-alpha-II
Function	E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation. Plays a critical role in chromatin inactivation and chromosome-wide transcriptional silencing during meiosis via ubiquitination of histone H2A. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth.
Sequence and Domain Family	The RING-H2 zinc finger is an atypical RING finger with a His ligand in place of the fourth Cys of the classical motif.; The UBR-type zinc finger forms a pocket that mediates recognition of type 1 N-degrons. It exhibits preference for Arginine in first position, has poor affinity for histidine, and doesn't bind acetylated peptides.
Cellular Localization	Nucleus. Associated with chromatin during meiosis.