Anti-MIB1 antibody

Description	Rabbit polyclonal to MIB1.

Model	STJ98646
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthetic peptide from AA range: 901-950.
Immunogen Region	901-950 aa
Gene ID	57534
Gene Symbol	MIB1
Dilution range	WB 1:5000-10000ELISA 1:10000
Specificity	The antibody detects endogenous MIB1 protein
Tissue Specificity	Widely expressed at low level. Expressed at higher level in spinal cord, ovary, whole brain, and all specific brain regions examined.
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase MIB1 DAPK-interacting protein 1 DIP-1 Mind bomb homolog 1 RING-type E3 ubiquitin transferase MIB1 Zinc finger ZZ type with ankyrin repeat domain protein 2
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:21086OMIM:608677
Alternative Names	E3 ubiquitin-protein ligase MIB1 DAPK-interacting protein 1 DIP-1 Mind bomb homolog 1 RING-type E3 ubiquitin transferase MIB1 Zinc finger ZZ type with ankyrin repeat domain protein 2
Function	E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular domain of Delta, leading to endocytosis of Delta receptors. Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis . Involved in ubiquitination of centriolar satellite CEP131, CEP290 and PCM1 proteins and hence inhibits primary cilium formation in proliferating cells. Mediates 'Lys-63'-linked polyubiquitination of TBK1, which probably participates in kinase activation.
Cellular Localization	Cytoplasm Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite Cell membrane. Localizes to the plasma membrane . According to PubMed:15048887, it is mitochondrial, however such localization remains unclear. Displaced from centriolar satellites in response to cellular stress, such as ultraviolet light (UV) radiation or heat shock.
Post-translational Modifications	Ubiquitinated; possibly via autoubiquitination . Ubiquitinated; this modification is inhibited in response to cellular stress, such as ultraviolet light (UV) radiation or heat shock.