

KD-Validated Anti-MIB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2219

Product Information

Application	WB, FC
Primary Accession	Q86YT6
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB420
Calculated MW	110136
Gene Name	MIB1
Aliases	MIB1; MIB E3 Ubiquitin Protein Ligase 1; ZZANK2; DIP-1; DAPK-Interacting Protein 1; KIAA1323; ZZZ6; MIB; Zinc Finger ZZ Type With Ankyrin Repeat Domain Protein; RING-Type E3 Ubiquitin Transferase MIB1; E3 Ubiquitin-Protein Ligase MIB1; DIP1; Mindbomb E3 Ubiquitin Protein Ligase 1; Mindbomb Homolog 1 (Drosophila); Ubiquitin Ligase Mind Bomb; Mind Bomb Homolog 1; EC 2.3.2.27; EC 6.3.2; LVNC7
Immunogen	A synthesized peptide derived from human MIB1

Additional Information

Gene ID	57534
Other Names	E3 ubiquitin-protein ligase MIB1, 2.3.2.27, 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, MIB1, DIP1, KIAA1323, ZZANK2

Protein Information

Name	MIB1
Synonyms	DIP1, KIAA1323, ZZANK2
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 (By similarity). 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 Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center,

centrosome, centriolar satellite. Cell membrane. Note=Localizes to the plasma membrane (By similarity) 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.

Tissue Location

Widely expressed at low level. Expressed at higher level in spinal cord, ovary, whole brain, and all specific brain regions examined.

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