



MIB1 Monoclonal Antibody

Catalog No	YP-mAb-10620
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MIB1 DIP1 KIAA1323 ZZANK2
Protein Name	mindbomb homolog 1 (Drosophila)
Immunogen	Synthetic peptide from human protein at AA range: 901-950
Specificity	The antibody detects endogenous MIB1 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MIB1 DIP1 KIAA1323 ZZANK2
Observed Band	130kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite . Cell membrane . 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 Specificity	Widely expressed at low level. Expressed at higher level in spinal cord, ovary, whole brain, and all specific brain regions examined.
Function	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.,miscellaneous:In epilepsy brain tissue, levels of expression are increased in the cytoplasm and microsomal fractions (endoplasmic reticulum).,pathway:Protein modification; protein ubiquitination.,PTM:Ubiquitinated. Possibly via autoubiquitination.,similarity:Contains 1 ZZ-type zinc finger.,similarity:Contains 2 MIB/HERC2 domains.,similarity:Contains 3 RING-type zinc fingers.,similarity:Contains 9 ANK repeats.,subcellular location:Localizes to the pl



Background

This gene encodes a protein containing multiple ankyrin repeats and RING finger domains that functions as an E3 ubiquitin ligase. The encoded protein positively regulates Notch signaling by ubiquitinating the Notch receptors, thereby facilitating their endocytosis. This protein may also promote the ubiquitination and degradation of death-associated protein kinase 1 (DAPK1). [provided by RefSeq, Jun 2013],

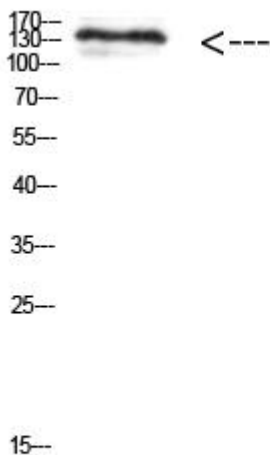
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MIB1 Monoclonal Antibody