

ARG43435 anti-MIB1 / Mind bomb 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MIB1 / Mind bomb 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MIB1 / Mind bomb 1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 560-860 of Human MIB1 / Mind bomb 1 (NP_065825.1).
Conjugation	Un-conjugated
Alternate Names	ZZZ6; DAPK-interacting protein 1; DIP-1; EC 6.3.2.-; E3 ubiquitin-protein ligase MIB1; DIP1; Mind bomb homolog 1; MIB; Zinc finger ZZ type with ankyrin repeat domain protein 2; LVNC7; ZZANK2

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	
Observed Size	~ 110 kDa	

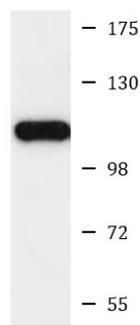
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MIB1
Gene Full Name	mindbomb E3 ubiquitin protein ligase 1
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]
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. [UniProt]
Calculated Mw	110 kDa
PTM	Ubiquitinated; possibly via autoubiquitination (By similarity). Ubiquitinated; this modification is inhibited in response to cellular stress, such as ultraviolet light (UV) radiation or heat shock. [UniProt]
Cellular Localization	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. [UniProt]

Images



A549

ARG43435 anti-MIB1 / Mind bomb 1 antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG43435 anti-MIB1 / Mind bomb 1 antibody at 1:1000 dilution.