

## [KD Validated] Anti-MIB1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

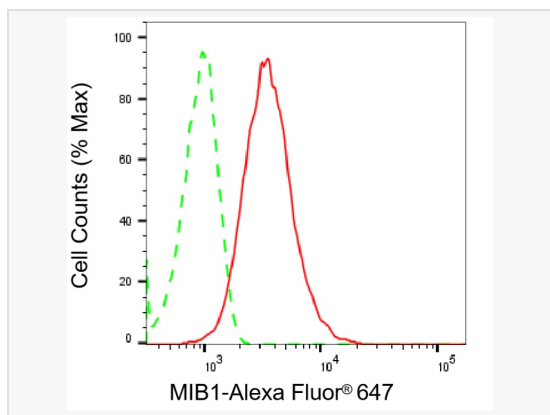
Catalog # R020451

### Product Information

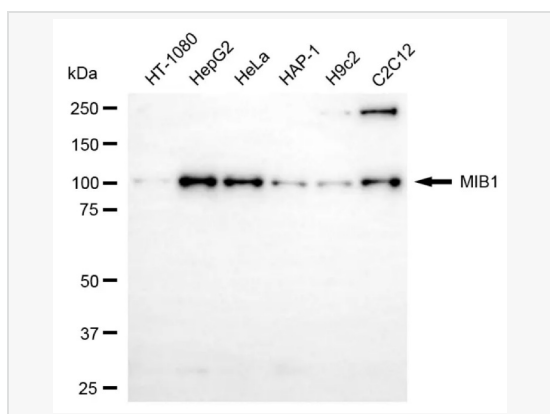
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	93Q53R23
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MIB1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-MIB1 Rabbit mAb [93Q53R23] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

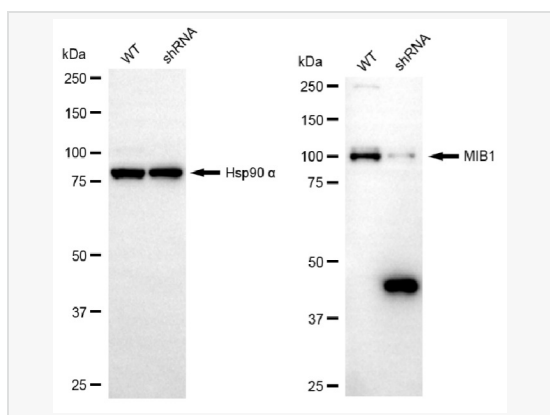
Synonyms	MIB1; MIB E3 Ubiquitin Protein Ligase 1; ZZANK2; DIP-1; DAPK-Interacting Protein 1; KIAA1323; ZZZ6; MIB; Zinc Finger ZZ Type With Ankyrin Repeat Domain Protein; RING-Type E3 Ubiquitin Transferase MIB1; E3 Ubiquitin-Protein Ligase MIB1; DIP1; Mindbomb E3 Ubiquitin Protein Ligase 1; Mindbomb Homolog 1 (Drosophila); Ubiquitin Ligase Mind Bomb; Mind Bomb Homolog 1; EC 2.3.2.27; EC 6.3.2; LVNC7.
Calculated MW	Calculated MW: 110 kDa; Observed MW: 110 kDa
Uniprot ID	Q86YT6
Gene ID	57534
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]
Cellular Location	Cytoplasm. Cell membrane. Localizes to the plasma membrane (By similarity). According to PubMed:15048887, it is mitochondrial, however such localization remains unclear.
Tissue Location	Widely expressed at low level. Expressed at higher level in spinal cord, ovary, whole brain, and all specific brain regions examined.



Flow cytometric analysis of MIB1 expression in HepG2 cells using MIB1 antibody (R020451, 1:2,000). Green, isotype control; red, MIB1.



Western blotting analysis using MIB1 antibody (R020451). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MIB1 antibody (R020451, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using MIB1 antibody (R020451). MIB1 expression in wild-type (WT) and MIB1 shRNA knockdown (KD) HT-1080 cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with MIB1 antibody (R020451, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.