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|--------------------------|----------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | MIB2 Rabbit Polyclonal Antibody                                                              |
| <b>Cat number:</b>       | ABN13887                                                                                     |
| <b>Conjugate:</b>        | Unconjugated                                                                                 |
| <b>Size:</b>             | 100µL                                                                                        |
| <b>Clone:</b>            | Polyclonal                                                                                   |
| <b>Concentration:</b>    | 1mg/ml                                                                                       |
| <b>Host:</b>             | Rabbit                                                                                       |
| <b>Isotype:</b>          | IgG                                                                                          |
| <b>Immunogen:</b>        | Synthesized peptide derived from part region of human protein                                |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                            |
| <b>Applications:</b>     | WB 1:500-1:2000, ELISA 1:5000-1:20000                                                        |
| <b>Molecular Weight:</b> | 111kDa                                                                                       |
| <b>Purification:</b>     | Affinity purification                                                                        |
| <b>Form:</b>             | Liquid                                                                                       |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.                    |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles. |

**Background:**

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.,induction:Down-regulated in many primary skin melanomas. Treatment with a demethylating agent, 5'-aza-2-deoxycytidine, restores expression, suggesting that down-regulation is the result of methylation of the gene.,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 2 RING-type zinc fingers.,similarity:Contains 9 ANK repeats.,subcellular location:Colocalizes with endosomal compartments.,subunit:Interacts with actin monomer.,tissue specificity:Expressed in skeletal muscle, and to a lesser extent in heart, brain and kidney.,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.,induction:Down-regulated in many primary skin melanomas. Treatment with a demethylating agent, 5'-aza-2-deoxycytidine, restores expression, suggesting that down-regulation is the result of methylation of the gene.,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 2 RING-type zinc fingers.,similarity:Contains 9 ANK repeats.,subcellular location:Colocalizes with endosomal compartments.,subunit:Interacts with actin monomer.,tissue specificity:Expressed in skeletal muscle, and to a lesser extent in heart, brain and kidney.,