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| <b>Product name:</b>     | Bax Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cat number:</b>       | MABN01719                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>        | A synthetic peptide of human Bax                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications:</b>     | WB 1:500-1:1000, IP 1:20-1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight:</b> | Calculated MW: 21 kDa; Observed MW: 21 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Background:</b>       | Bax is a key component for cellular induced apoptosis through mitochondrial stress. Upon apoptotic stimulation, Bax forms oligomers and translocates from the cytosol to the mitochondrial membrane. Through interactions with pore proteins on the mitochondrial membrane, Bax increases the membrane's permeability, which leads to the release of cytochrome c from mitochondria, activation of caspase-9 and initiation of the caspase activation pathway for apoptosis. |