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| <b>Product name:</b>     | Phospho-mTOR (Ser2448) Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                 |
| <b>Cat number:</b>       | ABN03727                                                                                                                                                                                                                                                                                          |
| <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>        | A synthetic Phosphorylated peptide corresponding to residues target protein                                                                                                                                                                                                                       |
| <b>Reactivity:</b>       | Human, Mouse, Pig                                                                                                                                                                                                                                                                                 |
| <b>Applications:</b>     | WB 1:500-1:1000, IHC 1:50-1:100                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight:</b> | Calculated MW: 289 kDa; Observed MW: 289 kDa                                                                                                                                                                                                                                                      |
| <b>Purification:</b>     | Affinity Chromatography                                                                                                                                                                                                                                                                           |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                            |
| <b>Buffer:</b>           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                |
| <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>       | An atypical kinase belonging to the PIKK family of kinases. Controls cell growth through protein synthesis regulation. Downstream of PI3K/Akt pathway and required for cell survival. Acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. |