

|                                                                                  |                 |                                                  |
|----------------------------------------------------------------------------------|-----------------|--------------------------------------------------|
|  | <div>MTOR</div> | <div>E<br/>9<br/>1<br/>1<br/>3<br/>5<br/>5</div> |
|----------------------------------------------------------------------------------|-----------------|--------------------------------------------------|

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| <b>Antibody type:</b>     | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications:</b>      | WB IHC                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity:</b>        | Human Mouse Rat                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight:</b>  | 289kDa                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen:</b>         | A synthetic peptide of human MTOR                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene ID:</b>           | 2475                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Swiss-Prot No.:</b>    | P42345                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Altername:</b>         | FRAP;FRAP1;FRAP2;RAFT 1;RAPT 1;SKS                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source:</b>            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype:</b>           | IgG                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification:</b>      | Affinity purification                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage/Stability:</b> | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                               |
| <b>Background:</b>        | The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene. |

**For Research Use Only**

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| <b>Dilution:</b>              | WB 1:200 - 1:500<br>IHC 1:100 - 1:200                            |
| <b>Shipping&amp;Stablity:</b> | Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |