

Product datasheet for **CF805942**

MTOR Mouse Monoclonal Antibody [Clone ID: OTI5B1]

Product data:

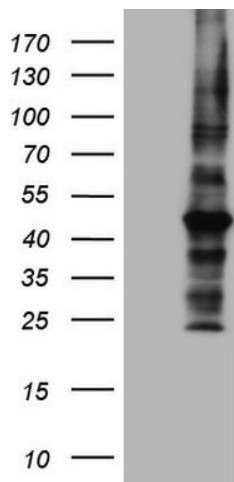
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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI5B1 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 1766-2144 of human MTOR(NP_004949) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 288.7 kDa |
| Gene Name: | mechanistic target of rapamycin kinase |
| Database Link: | NP_004949 Entrez Gene 56717 Mouse Entrez Gene 56718 Rat Entrez Gene 2475 Human P42345 |
| Synonyms: | FRAP; FRAP1; FRAP2; RAFT1; RAPT1; SKS |
| Protein Families: | Druggable Genome, Protein Kinase |



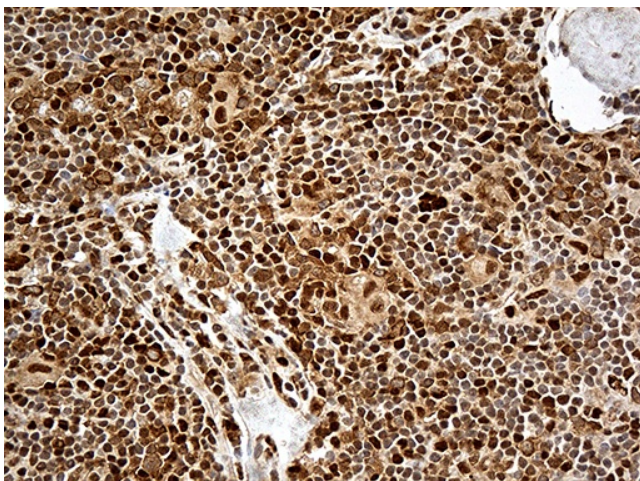
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Protein Pathways:

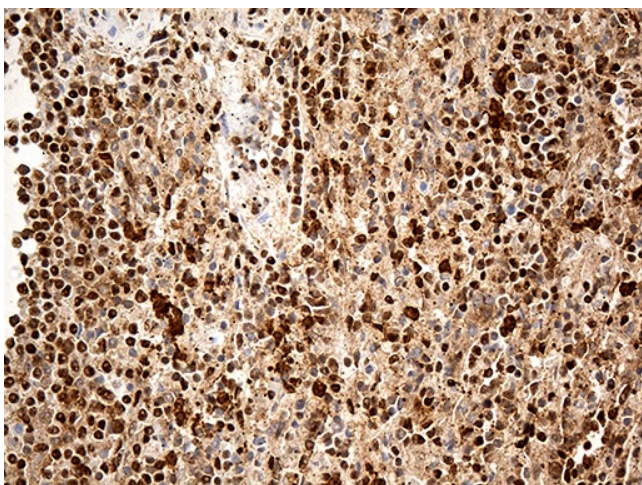
Acute myeloid leukemia, Adipocytokine signaling pathway, ErbB signaling pathway, Glioma, Insulin signaling pathway, mTOR signaling pathway, Pathways in cancer, Prostate cancer, Type II diabetes mellitus

Product images:

Human recombinant protein fragment corresponding to amino acids 1766-2144 of human MTOR (NP_004949) produced in E.coli.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-MTOR mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human spleen tissue within the normal limits using anti-MTOR mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.