

Anti-Phospho-mTOR (Ser2448) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P011471

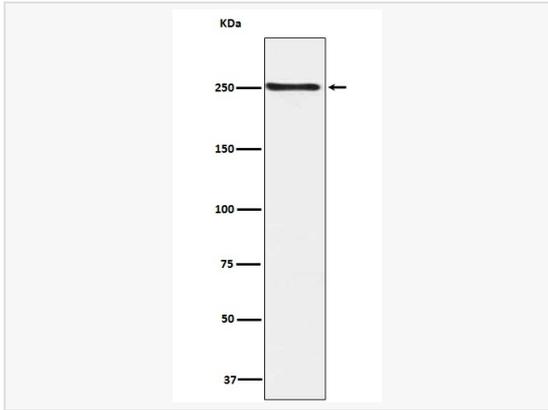
Product Information

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| Application | IHC-P/IF (Tissue-P), ELISA, WB |
| Reactivity | Human, Mouse, Pig |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human Phospho-mTOR (S2448) |
| Format | Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-mTOR (Ser2448) antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

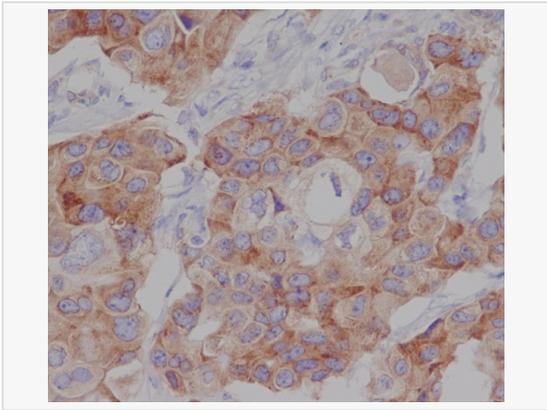
Protein Information

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|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms | MTOR, FRAP, FRAP1, FRAP2, RAFT1, RAPT1, Serine/threonine-protein kinase mTOR, FK506-binding protein 12-rapamycin complex-associated protein 1, FKBP12-rapamycin complex-associated protein, Mammalian target of rapamycin, mTOR, Mechanistic tar. |
| Calculated MW | Calculated MW: 289 kDa; Observed MW: 289 kDa |
| Uniprot ID | P42345 |
| Gene ID | 2475 |
| Background | 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. |

Validation Images



Western blot analysis of Phospho-mTOR (S2448) in HEK293 lysates using Phospho-mTOR (Ser2448) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-mTOR (S2448) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.