

**Product Name: Phospho-mTOR (Ser2448) Rabbit Polyclonal Antibody**  
**Catalog #: APRab03727**

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## Summary

<b>Production Name</b>	Phospho-mTOR (Ser2448) Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P
<b>Reactivity</b>	Human,Mouse,Pig

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

## Immunogen

<b>Gene Name</b>	MTOR
<b>Alternative Names</b>	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
<b>Gene ID</b>	2475
<b>SwissProt ID</b>	P42345

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100
<b>Molecular Weight</b>	Calculated MW: 289 kDa; Observed MW: 289 kDa

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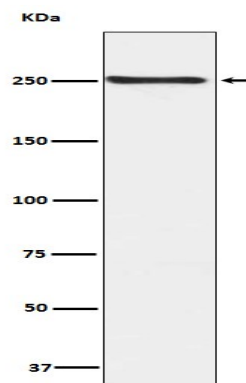
## Background

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.

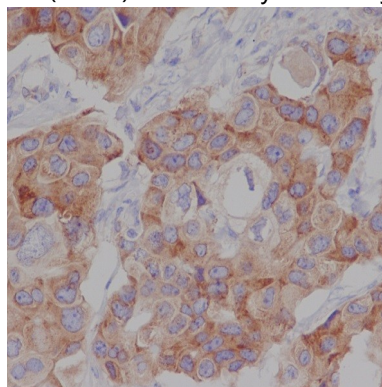
## Research Area

Cell Biology

## Image Data



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.

## Note

For research use only.