Product Name: Phospho-mTOR (Thr2446) Rabbit Polyclonal Antibody
Catalog #: APRab00932

Summary

Production Name	Phospho-mTOR (Thr2446) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	MTOR
Alternative Names	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
Gene ID	2475
SwissProt ID	P42345

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 289 kDa; Observed MW: 220 kDa

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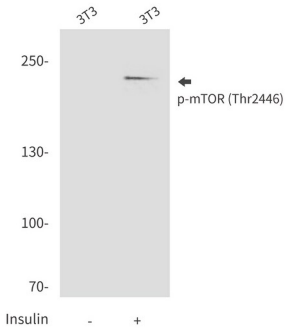
Background

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 (Thr2446) in 3T3 lysates using Phospho-mTOR (Thr2446) antibody.

Note

For research use only.