

Anti-P-MTOR(Ser2448) Rabbit pAb



WL03694

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-MTOR(Ser2448) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:1000-1:2000

**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

Molecular Wt.	289 kDa
	50/100/200/500/1000 μ l

Pack size Store at -20°C. **Avoid freeze/thaw cycles.**

Storage Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml

Storage buffer BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background The mammalian target of rapamycin (mTOR, FRAP, RAFT) is a Ser/Thr protein kinase that functions as an ATP and amino acid sensor to balance nutrient availability and cell growth. When sufficient nutrients are available, mTOR responds to a phosphatidic acid-mediated signal to transmit a positive signal to p70 S6 kinase and participate in the inactivation of the eIF4E inhibitor, 4E-BP1. mTOR is phosphorylated at Ser2448 via the PI3 kinase/Akt signaling pathway and autophosphorylated at Ser2481. mTOR plays a key role in cell growth and homeostasis and may be abnormally regulated in tumors. For these reasons, mTOR is currently under investigation as a potential target for anti-cancer therapy.

Immunogen Polyclonal antibody is produced by immunizing animals with Synthetic peptide of P-MTOR(Ser2448).

Purification Polyclonal antibody was purified by protein A affinity chromatography.

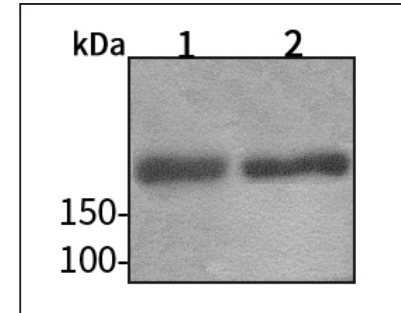
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Product Images



Western blot-Anti-P-MTOR(Ser2448) pAb

Lane 1: Human HeLa cell lysate 30 μ gLane 2: Human A549 cell lysate 30 μ g

Separation gel: 6% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

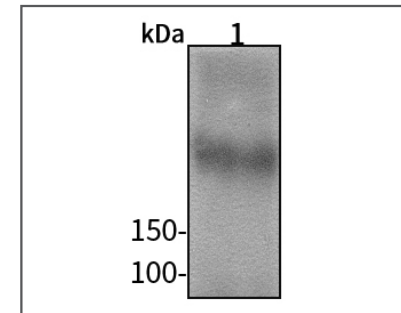
Transmembrane: 100V, 4°C, 1.5h

Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Visualization: ECL, 30s-2min



Western blot-Anti-P-MTOR(Ser2448) pAb

Lane 1: Rat lung tissue lysate 30 μ g

Separation gel: 6% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

Transmembrane: 100V, 4°C, 1.5h

Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Visualization: ECL, 30s-2min