

Phospho-mTOR (Ser2481) Antibody

Cat. No.:	HY-P80838
Synonyms:	Phospho-mTOR (Ser2481) Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 289 kDa, targeting to Phospho-mTOR (Ser2481). It can be used for WB assays with tag free, in the background of Human, Mouse, Rat.
Host:	Rabbit
Reactivity:	Human,Mouse,Rat
Conjugation:	Non-conjugated
SwissProt ID:	P42345
Research Field:	Cell Biology
Molecular Weight:	Predicted band size: 289 kDa

PROPERTIES

Formulation	Supplied in phosphate buffered saline (pH 7.4), 150 mM NaCl and 50% glycerol. Preservative: 0.02% sodium azide				
Purity	affinity purified				
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.				
Appearance	Liquid				
Application & Dilution Ratio	<table> <thead> <tr> <th>Application</th> <th>Dilution Ratio</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>1:500-1:1,000</td> </tr> </tbody> </table>	Application	Dilution Ratio	WB	1:500-1:1,000
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WB	1:500-1:1,000				
Shipping	Shipping with blue ice.				

DESCRIPTION

Background	<p>mTOR: The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This kinase is a component of two distinct complexes, mTORC1, which controls protein synthesis, cell growth and proliferation, and mTORC2, which is a regulator of the actin cytoskeleton, and promotes cell survival and cell cycle progression. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. Inhibitors of mTOR are used in organ transplants as immunosuppressants, and are being evaluated for their therapeutic potential in SARS-CoV-2 infections. Mutations in this gene are associated with Smith-Kingsmore syndrome and somatic focal cortical dysplasia type II. The ANGPTL7 gene is located in an intron of this gene. [provided by RefSeq, Aug 2020]</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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