

Anti-Phospho-mTOR (Ser2448) Antibody (2R744)

Product Details

Ig Type:	Rabbit IgG Human;
Reactivity:	Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus; Predicted to React with:Phospho-mTOR (Ser2448); Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus
Conjugation:	Unconjugated
Clone:	2R744
Purification:	Protein A

Applications

Verified Activity:	Western blot analysis of extracts from serum-starved HEK-293 treated without peptide (line A) or antigen-specific phosphopeptide (line B) or antigen-specific peptide (line C) using Phospho-mTOR (Ser2448) rabbit monoclonal Antibody at 1:5000 dilution.
Application:	WB
Recommended	WB: 1:2000-1:20000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: residues around Ser2448 of Human Phospho-mTOR
Antigen Species:	Human
Synonyms:	FRAP2;FRAP1;p-mTOR (Ser2448);SKS;mTOR (p-Ser2448);FRAP;Phospho-mTOR (S2448);RAFT1; FLJ44809;RAPT1;mTOR (p-S2448);p-mTOR (S2448)
Biology Area:	Cancer Drug Targets

Research Background

MTOR (Mechanistic Target Of Rapamycin Kinase) is a Protein Coding gene. The protein encoded by the MTOR gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. MTOR is a central regulator of cellular metabolism, growth, and survival in response to hormones, growth factors, nutrients, energy, and stress signals. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. MTOR is broadly expressed in the testis, brain, and other tissues. Diseases associated with MTOR include Smith-Kingsmore Syndrome and Focal Cortical Dysplasia, Type II. The ANGPTL7 gene is located in an intron of this gene. Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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