Product Datasheet

mTOR antibody (orb345523)

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Description	mTOR antibody
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, WB
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 2430-2460 of human mTOR.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	0.9 mg/ml
Storage	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	This affinity purified mTOR antibody has been tested for use in ELISA and western blotting. ELISA data demonstrate reactivity against both phosphorylated and non-phosphorylated mTOR at S2448 and western blotting shows a band at approximately 250 kDa. Reactivity in other immunoassays is unknown.
Isotype	IgG
Clonality	Polyclonal
Purity	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase. Reactivity occurs with both phosphorylated and non-phosphorylated forms of mTOR at S2448 from human derived tissues and cells. A BLAST analysis was used to suggest cross reactivity with mTOR protein from rat and mouse based on 100% homology with the immunizing sequence. Expect partial reactivity against mTOR homologues from zebrafish (94%) and dog (89%). Reactivity against homologues from other sources is not known.
Uniprot ID	P42345

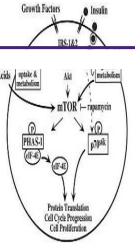
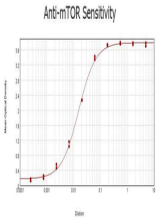
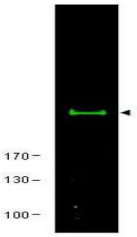


Diagram of Metabolic and autocrine regul...



ELISA results of purified Rabbit anti-mT...



Western blot using Biorbyt's Affinity Pu...

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