



Anti-MTOR polyclonal antibody (DPABT-H16429)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-MTOR Polyclonal Antibody
Antigen Description	mTOR (mammalian target of rapamycin) is a Ser/Thr kinase acting as an ATP sensor and is reported to autophosphorylate Ser2481 in the presence of sufficient nutrients. Activated mTOR phosphorylates ribosomal protein S6 kinase2(S6K1) and the eukaryotic tran
Target	MTOR
Immunogen	Modified synthetic peptide
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	WB
Preparation	The antibody was purified by affinity chromatography.
Size	50 µl
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Preservative	0.09% Sodium Azide
Storage	Upon receipt, store undiluted at -20 °C.

GENE INFORMATION

Gene Name	MTOR mechanistic target of rapamycin (serine/threonine kinase) [Homo sapiens]
Official Symbol	MTOR
Synonyms	MTOR; mechanistic target of rapamycin (serine/threonine kinase); FK506 binding protein 12 rapamycin associated protein2, FRAP, FRAP1, FRAP2; serine/threonine-protein kinase mTOR; dJ576K7.1 (FK506 binding protein 12 rapamycin associated protein 1); FK506 binding protein 12 rapamycin associated protein 2; FKBP rapamycin associated protein; FKBP12 rapamycin complex associated protein 1; FLJ44809; mammalian target of rapamycin; RAFT1; rapamycin and FKBP12 target 1; rapamycin associated protein FRAP2; rapamycin target protein; RAPT1; rapamycin target protein 1; FKBP-rapamycin associated protein; FKBP12-rapamycin complex-associated protein 1; FK506 binding protein 12-rapamycin associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-rapamycin complex-associated protein 1; FRAP; FRAP1; FRAP2;
Entrez Gene ID	2475
Protein Refseq	NP_004949
UniProt ID	P42345
Chromosome Location	1p36
Pathway	AMPK signaling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;
Function	ATP binding; RNA polymerase III type2promoter DNA binding; RNA polymerase III type 2 promoter DNA binding; RNA polymerase III type4promoter DNA binding; TFIIIC-class transcription factor binding; kinase activity; kinase activity; nucleotide binding; phosph