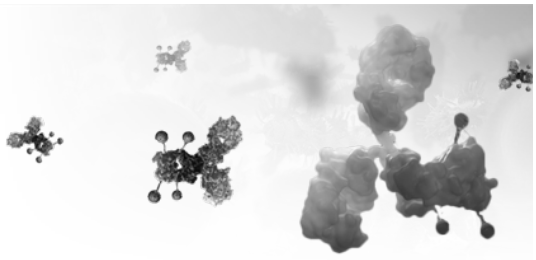

Anti-MTOR (aa 1521-1620) polyclonal antibody (DPAB-DC1163)

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

PRODUCT INFORMATION

Antigen Description	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 protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.
Immunogen	MTOR (NP_004949, 1521 a.a. ~ 1620 a.a) partial recombinant protein with GST tag. The sequence is WGLGQWDSMEEYTCMIPRDTHDGAFYRAVLALHQDLFSLAQQCIDKARDLLDAELTAMAG ESYSRAYGAMVSCHMLSELEEVIQYKLVPERREIIRQIWW
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	MTOR mechanistic target of rapamycin (serine/threonine kinase) [Homo sapiens (human)]
Official Symbol	MTOR
Synonyms	MTOR; mechanistic target of rapamycin (serine/threonine kinase); FRAP; FRAP1; FRAP2; RAFT1; RAPT1; serine/threonine-protein kinase mTOR; rapamycin target protein 1; mammalian target of rapamycin; rapamycin and FKBP12 target 1; FKBP-rapamycin associated protein; rapamycin associated protein FRAP2; FKBP12-rapamycin complex-associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-rapamycin complex-associated protein 1;
Entrez Gene ID	2475
Protein Refseq	NP_004949
UniProt ID	P42345
Chromosome Location	1p36.2
Pathway	AMPK signaling; Acute myeloid leukemia; Adipocytokine signaling pathway; BDNF signaling pathway
Function	ATP binding; RNA polymerase III type 1 promoter DNA binding; RNA polymerase III type 2 promoter DNA binding; RNA polymerase III type 3 promoter DNA binding

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