



## Rabbit Anti-DEPTOR antibody

SL23313R

<b>Product Name:</b>	DEPTOR
<b>Chinese Name:</b>	DEPTOR蛋白抗体
<b>Alias:</b>	DEP domain containing 6; DEP domain-containing mTOR-interacting protein; DEP domain-containing protein 6; DEPDC6; DEPTOR; DPTOR_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	46kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DEPTOR:151-250/409
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	DEPTOR (DEP domain containing MTOR-interacting protein), also known as DEP.6 or DEPDC6 (DEP domain-containing protein 6), is a 409 amino acid protein that negatively regulates mTORC1 and mTORC2 pathways. DEPTOR interacts with FRAP via its PDZ domain, and undergoes post-translational phosphorylation. Containing two DEP domains and one PDZ (DHR) domain, DEPTOR is encoded by a gene that maps to human chromosome 8q24.12. Chromosome 8 consists of nearly 146 million base

pairs, encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

**Function:**

Negative regulator of the mTORC1 and mTORC2 signaling pathways. Inhibits the kinase activity of both complexes.

**Subunit:**

Part of the mammalian target of rapamycin complex 1 (mTORC1) which contains MTOR, MLST8, RPTOR, AKT1S1/PRAS40 and DEPTOR. Part of the mammalian target of rapamycin complex 2 (mTORC2) which contains MTOR, MLST8, PROTOR1, RICTOR, MAPKAP1 and DEPTOR. Interacts (via PDZ domain) with MTOR; interacts with MTOR within both mammalian target of rapamycin complexes mTORC1 and mTORC2.

**Post-translational modifications:**

Phosphorylated. Phosphorylation weakens interaction with MTOR within mTORC1 and mTORC2.

**Similarity:**

Contains 2 DEP domains.  
Contains 1 PDZ (DHR) domain.

**SWISS:**

Q8TB45

**Gene ID:**

64798

**Database links:**

[Entrez Gene: 64798](#)Human

[Entrez Gene: 97998](#)Mouse

[Entrez Gene: 314979](#)Rat

[Omim: 612974](#)Human

[SwissProt: Q8TB45](#)Human

[SwissProt: Q570Y9](#)Mouse

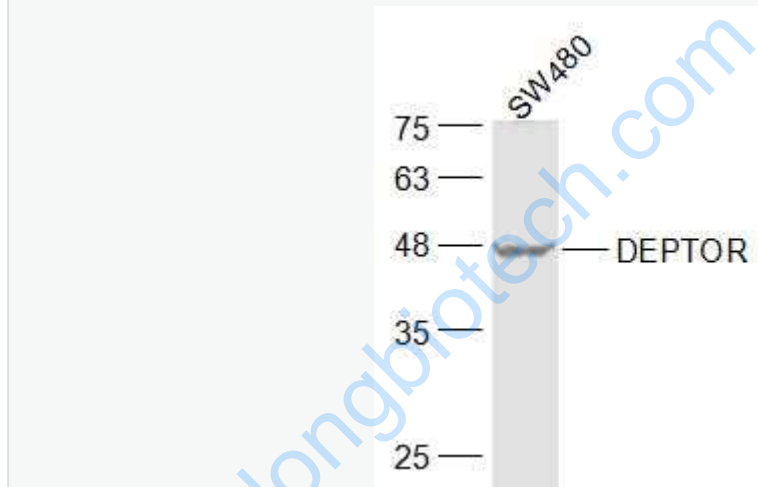
[Unigene: 112981](#) Human

[Unigene: 295397](#) Mouse

[Unigene: 393497](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Sample:

SW480(Human) Cell Lysate at 30 ug

Primary: Anti-DEPTOR (SL23313R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD