

DEPTOR 蛋白抗体

产品货号： mIR23313

英文名称： DEPTOR

中文名称： DEPTOR 蛋白抗体

别名： DEP domain containing 6; DEP domain-containing mTOR-interacting protein; DEP domain-containing protein 6; DEPDC6; DEPTOR; DPTOR_HUMAN.

研究领域： 肿瘤 细胞生物 免疫学 神经生物学 细胞凋亡

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500

(石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：46kDa

细胞定位：细胞浆

性 状：Lyophilized or Liquid

浓 度：1mg/ml

免 疫 原：KLH conjugated synthetic peptide derived from human DEPTOR:151-250/409

亚 型：IgG

纯化方法：affinity purified by Protein A

储 存 液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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.

PubMed： PubMed

产品介绍： 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

Important Note:

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

产品图片

