

DEPTOR Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22297a**Specification**

DEPTOR Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	Q8TB45
Other Accession	Q570Y9
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	46294

DEPTOR Antibody (N-Term) - Additional Information**Gene ID** 64798**Other Names**

DEP domain-containing mTOR-interacting protein, DEP domain-containing protein 6, DEPTOR, DEPDC6

Target/Specificity

This DEPTOR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 86-120 amino acids from the human region of human DEPTOR.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DEPTOR Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

DEPTOR Antibody (N-Term) - Protein Information**Name** DEPTOR {ECO:0000303|PubMed:19446321, ECO:0000312|HGNC:HGNC:22953}

Function Negative regulator of the mTORC1 and mTORC2 complexes: inhibits the protein kinase activity of MTOR, thereby inactivating both complexes (PubMed:[19446321](#), PubMed:[22017875](#), PubMed:[22017876](#), PubMed:[22017877](#), PubMed:[25936805](#), PubMed:[29382726](#), PubMed:[34519268](#), PubMed:[34519269](#)). DEPTOR inhibits mTORC1 and mTORC2 to induce autophagy (PubMed:[22017875](#), PubMed:[22017876](#), PubMed:[22017877](#)). In contrast to AKT1S1/PRAS40, only partially inhibits mTORC1 activity (PubMed:[34519268](#), PubMed:[34519269](#)).

Cellular Location

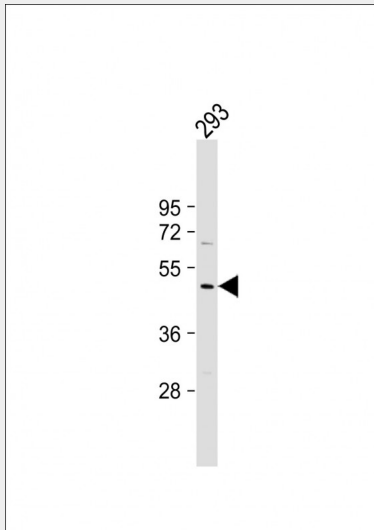
Lysosome membrane. Note=Localizes to the lysosomal membrane when associated with the mTORC1 and mTORC2 complexes.

DEPTOR Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DEPTOR Antibody (N-Term) - Images



Anti-DEPTOR Antibody (N-Term) at 1:2000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DEPTOR Antibody (N-Term) - Background

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

DEPTOR Antibody (N-Term) - References

Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).