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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

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:34519269, PubMed:34519268). 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:34519269, PubMed:34519268).

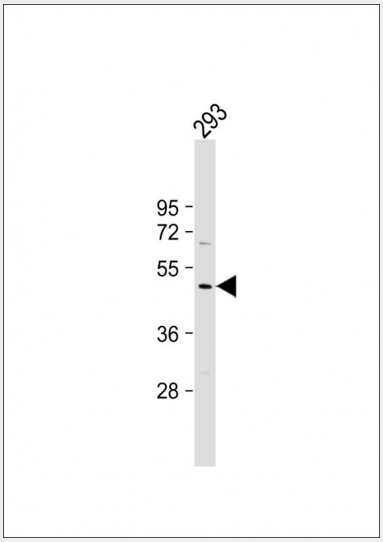
Cellular Location
Lysosome membrane. Note=Localizes to the lysosomal membrane when associated with the mTORC1 and mTORC2 complexes.

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 Cytomety
- 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).