

Rabbit DEPTOR Polyclonal Antibody | anti-DEPTOR antibody

DEPTOR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40587	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

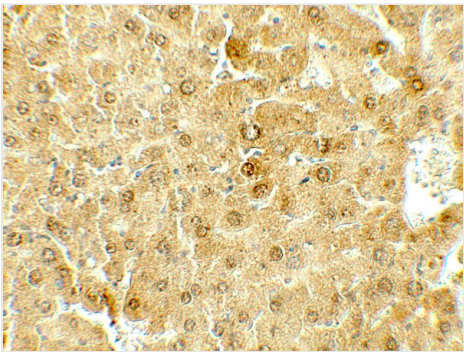
PRODUCT SYNONYMS

DEPTOR; Polyclonal Antibody; DEPTOR Antibody; DEP.6; DEPDC6; DEP domain-containing mTOR-interacting protein; DEP domain-containing protein 6; DEP domain containing MTOR-interacting protein; anti-DEPTOR antibody

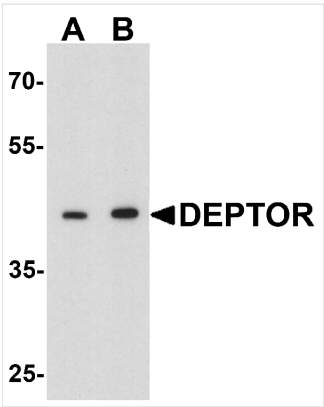
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DEPTOR antibody is human, mouse and rat reactive. At least three isoforms of DEPTOR are known to exist; this antibody will detect all three isoforms.
Purity/Purification	DEPTOR antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	409
Applicable Applications for anti-DEPTOR antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DEPTOR antibody was raised against a 16 amino acid peptide near the center of human DEPTOR.
Buffer	DEPTOR Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DEPTOR antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of DEPTOR in mouse liver tissue with DEPTOR antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of DEPTOR in mouse liver tissue lysate with DEPTOR antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DEPTOR antibody	DEPTOR is an mTOR (mammalian target of rapamycin)-interacting protein whose expression is negatively regulated by mTOR complex 1 (mTORC1) and mTORC2 (1). Loss of DEPTOR activates RP6SK1, Akt1, and SGK1, promotes cell growth and survival, and activates mTORC1 and mTORC2 kinase activities. DEPTOR expression is low in most cancers, but is often elevated in multiple myelomas (1). In respons to stimulation by mitogens, DEPTOR is rapidly phosphorylated leading to its ubiquitination and degradation, allowing mTOR to generate an auto-amplification loop to promotes its own full activation (2).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189571664
NCBI GeneID	64798
NCBI Accession #	NP_073620
NCBI GenBank Nucleotide #	NM_022783.3
UniProt Accession #	Q8TB45; Q96EQ1; Q9H0R7; Q9H894; Q9HA07; B2RCL9; B4DN97; E7EV87
Molecular Weight	Predicted: 45 kDa Observed: 42 kDa
NCBI Official Full Name	DEP domain-containing mTOR-interacting protein isoform 1
NCBI Official Synonym Full Names	DEP domain containing MTOR-interacting protein
NCBI Official Symbol	DEPTOR
NCBI Official Synonym Symbols	DEP.6; DEPDC6
NCBI Protein Information	DEP domain-containing mTOR-interacting protein; DEP domain containing 6; DEP domain-containing protein 6; DEP domain containing mTOR interacting protein
UniProt Protein Name	DEP domain-containing mTOR-interacting protein
UniProt Gene Name	DEPTOR
UniProt Synonym Gene Names	DEPDC6
UniProt Entry Name	DPTOR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/deptor-antibody-immunohistochemistry-western-blot-elisa/40587>