DEPTOR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DEPTOR, Polyclonal Antibody
Full Product Name	DEPTOR (DEP Domain-containing mTOR-interacting Protein, DEP Domain-containing Protein 6, DEPDC6) (MaxLight 650)
Product Gene Name	anti-DEPTOR antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human DEBTOR.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	Predicted: 45 kDa Observed: 42 kDa
OMIM	612974
3D Structure	ModBase 3D Structure for Q8TB45
Immunogen	Synthetic linear peptide corresponding to the DEP domain, mTOR-interacting protein of human DEPTOR (KLH). Species sequence homology: Primate (99%), equine (99%), porcine (98%), canine (98%), rat (97%), mouse (96%).
Conjugate	MaxLight650
Positive Control	HEK293 cell lyaste
Note	Preservative Free
Product Categories/Family for anti-DEPTOR antibody	Antibodies; Signal Transduction
Applications Tested/Suitable for anti-DEPTOR antibody	Western Blot (WB)
Application Notes for anti-DEPTOR antibody	WB: 1ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-DEPTOR antibody	MBS6269492 is an antibody targeting DEPTOR. Also known as DEPTOR (DEP Domain-containing mTOR-interacting Protein, DEP Domain-containing Protein 6, DEPDC6) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-DEPTOR antibody	1. Peterson, T.R., et al. (2009). Cell. 137(5):873-876.

Other Notes	Small volumes of anti-DEPTOR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DEPTOR. It may not necessarily be applicable to this product.

NCBI GI #	189571664
NCBI GeneID	64798
NCBI Accession #	NP_073620
UniProt Primary Accession #	Q8TB45
UniProt Secondary Accession #	Q96EQ1; Q9H0R7; Q9H894; Q9HA07; B2RCL9; B4DN97; E7EV87
UniProt Related Accession #	Q8TB45
GenBank Nucleotide #	NM_022783.3
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
UniProt Protein Name	DEP domain-containing mTOR-interacting protein
UniProt Synonym Protein Names	DEP domain-containing protein 6
Protein Family	DEP domain-containing mTOR-interacting protein
UniProt Gene Name	DEPTOR
UniProt Synonym Gene Names	DEPDC6
UniProt Entry Name	DPTOR_HUMAN
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 Comments for DEPTOR	DEPTOR: Negative regulator of the mTORC1 and mTORC2 signaling pathways. Inhibits the kinase activity of both complexes. Protein type: Apoptosis Chromosomal Location of Human Ortholog: 8q24.12 Cellular Component: intracellular Molecular Function: protein binding Biological Process: negative regulation of TOR signaling pathway; negative regulation of protein kinase activity; negative regulation of cell size
Research Articles on DEPTOR	**1.** DEPTOR plays a key role in maintaining stem cell pluripotency by limiting mTOR activity in undifferentiated embryonic stem cells
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