

Rabbit DEPDC6/DEPTOR Polyclonal Antibody | anti-DEPDC6/DEPTOR antibody

Anti-DEPDC6/DEPTOR Antibody Picoband

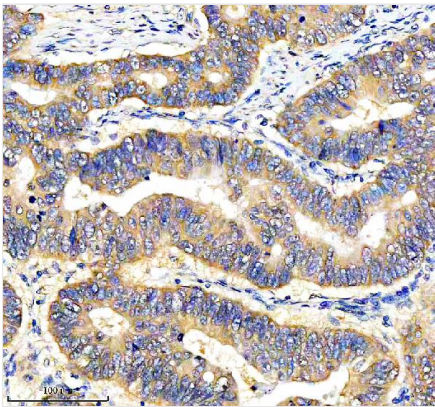
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128211	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

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

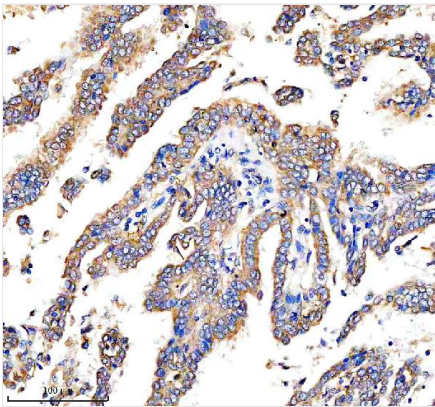
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-DEPDC6/DEPTOR antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human DEPDC6/DEPTOR recombinant protein (Position: A22-C409). Human DEPDC6/DEPTOR shares 97.9% amino acid (aa) sequence identity with mouse DEPDC6/DEPTOR.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



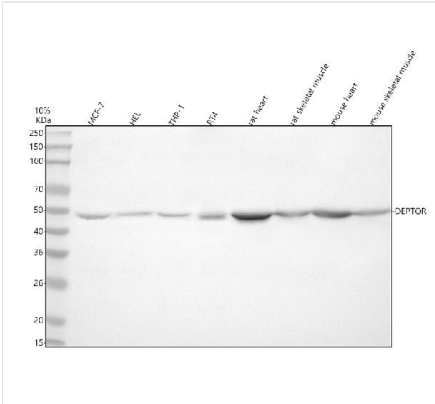
IHC (Immunohistochemistry)

Figure 3. IHC analysis of DEPDC6/DEPTOR using anti-DEPDC6/DEPTOR antibody (AAA128211).DEPDC6/DEPTOR was detected in a paraffin-embedded section of human stomach cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-DEPDC6/DEPTOR Antibody (AAA128211) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of DEPDC6/DEPTOR using anti-DEPDC6/DEPTOR antibody (AAA128211).DEPDC6/DEPTOR was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-DEPDC6/DEPTOR Antibody (AAA128211) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of DEPDC6/DEPTOR using anti-DEPDC6/DEPTOR antibody (AAA128211).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates,Lane 2: human HEL whole cell lysates,Lane 3: human THP-1 whole cell lysates,Lane 4: human RT4 whole cell lysates,Lane 5: rat heart tissue lysates,Lane 6: rat skeletal muscle tissue lysates,Lane 7: mouse heart tissue lysates,Lane 8: mouse skeletal muscle tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DEPDC6/DEPTOR antigen affinity purified polyclonal antibody (AAA128211) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DEPDC6/DEPTOR at approximately 48 kDa. The expected band size for DEPDC6/DEPTOR is at 46 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DEPDC6/DEPTOR antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-DEPDC6/DEPTOR antibody	Primary Antibodies

References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 8/20/2009.2. Peterson, T. R., Laplante, M., Thoreen, C. C., Sancak, Y., Kang, S. A., Kuehl, W. M., Gray, N. S., Sabatini, D. M. DEPTOR is an mTOR inhibitor frequently overexpressed in multiple myeloma cells and required for their survival. Cell 137: 873-886, 2009.
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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.