

Rabbit anti-Human DEPDC1B Polyclonal Antibody | anti-DEPDC1B antibody

DEPDC1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40839	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

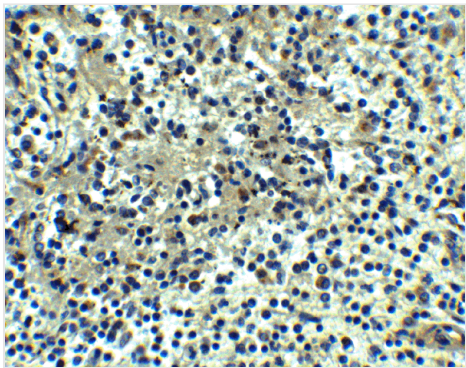
PRODUCT SYNONYMS

DEPDC1B; Polyclonal Antibody; DEPDC1B Antibody; DEP domain-containing 1B; DEP1B; BRCC3; Breast cancer cell 3; XTP1; anti-DEPDC1B antibody

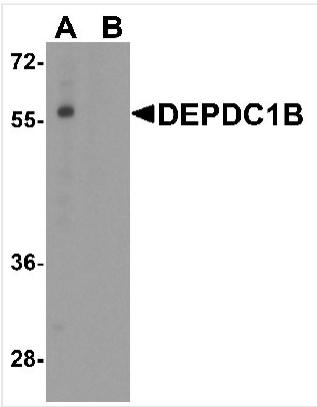
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	DEPDC1B antibody is human specific. At least two isoforms are known to exist; this antibody will only detect the largest isoform. DEPDC1B antibody is predicted to not cross-react with DEPDC1A.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid; Supplied in PBS containing 0.02% sodium azide
Concentration	1 mg/mL (varies by lot)
Sequence Length	529
Applicable Applications for anti-DEPDC1B antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	DEPDC1B antibody was raised against a 19 amino acid peptide near the carboxy terminus of human DEPDC1B. The immunogen is located within the last 50 amino acids of DEPDC1B
Positive Control	1. Cat No. 1204 - K562 Cell Lysate 2. Cat. No. 10-901 - Human Spleen Tissue Side
Conjugate	Unconjugated
Homology	Predicted species reactivity based on immunogen sequence: Mouse: (94%), Chicken: (88%)
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of DEPDC1B in human spleen tissue with DEPDC1B antibody at 5 µg/ml.



WB (Western Blot)
Western blot analysis of DEPDC1B in K562 cell lysate with DEPDC1B antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DEPDC1B antibody	The DEP domain-containing 1B (DEPDC1B) protein was initially identified as a radiation response biomarker in human lymphoblastoid cell lines (1). Like the related protein DEPDC1A, expression of DEPDC1B correlates with a poor prognosis in cancer patients (2,3). Studies have shown that DEPDC1B levels are upregulated in non-small cell lung cancer (NSCLC) and have an inverse correlation with patient survival. Ectopic expression of DEPDC1B in NSCLC activated Wnt/B-catenin signaling and enhanced cell migration and invasion while silencing DEPDC1B expression suppressed these traits (2).
Product Categories/Family for anti-DEPDC1B antibody	Cancer; Cell Cycle
References	Niu N, Qin Y, Fridley BL, et al. Radiation pharmacogenomics: a genome-wide association approach to identify radiation response biomarkers using human lymphoblastoid cell lines. <i>Genome Res.</i> 2010; 20:1482-92. Yang Y, Liu L, Cai J, et al. DEPDC1B enhances migration and invasion of non-small cell lung cancer cells via activating Wnt/B-catenin signaling. <i>Biochem. Biophys. Res. Commun.</i> 2014; 450:899-905. Kassambara A, Schoenhals M, Moreaux J, et al. Inhibition of DEPDC1A, a bad prognostic marker in multiple myeloma, delays growth and induces mature plasma cell markers in malignant plasma cells. <i>PLoS One</i> 2013; 8:e62752.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223633999
NCBI GeneID	55789
NCBI Accession #	NP_060839
NCBI GenBank Nucleotide #	NM_018369.2
UniProt Accession #	Q8WUY9; Q86WJ3; Q8IZY6; Q9NUN3; Q9NW57; A8K3R9; B4DUT4
Molecular Weight	Predicted: 58 kDa Observed: 57 kDa
NCBI Official Full Name	DEP domain-containing protein 1B isoform 1
NCBI Official Synonym Full Names	DEP domain containing 1B
NCBI Official Symbol	DEPDC1B
NCBI Official Synonym Symbols	XTP1; BRCC3
NCBI Protein Information	DEP domain-containing protein 1B
UniProt Protein Name	DEP domain-containing protein 1B

UniProt Gene Name	DEPDC1B
UniProt Synonym Gene Names	XTP8
UniProt Entry Name	DEP1B_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://www.aaabiotech.com/polyclonal/depdc1b-antibody-immunohistochemistry-western-blot-elisa/40839>