



Rabbit Anti-DEPDC1 antibody

SL6525R

Product Name:	DEPDC1
Chinese Name:	细胞周期调控蛋白SDP35抗体
Alias:	Cell cycle control protein SDP35; DEP domain containing 1; DEP domain containing protein 1A; DEP domain-containing protein 1A; DEP.8; DEP1A_HUMAN; DEPDC 1; DEPDC 1A; DEPDC1; DEPDC1-V2; Depdc1a; FLJ20354; SDP 35; SDP35.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	93kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DEPDC1:606-660/811
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DEPDC1 is a 784 amino acid nuclear protein expressed in testis and up-regulated in bladder cancer cells. Containing a DEP domain and a Rho-GAP domain, DEPDC1 may play an essential role in the growth of bladder cancer cells, and is considered a novel protein target for bladder cancer therapy. Existing as five isoforms produced by alternative splicing events, DEPDC1 is encoded by a gene located on human

chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma

Function:

May be involved in transcriptional regulation as a transcriptional corepressor. The DEPDC1A-ZNF224 complex may play a critical role in bladder carcinogenesis by repressing the transcription of the A20 gene, leading to transport of NF-KB protein into the nucleus, resulting in suppression of apoptosis of bladder cancer cells.

Subunit:

Isoform 2 and isoform 5 can form homodimers and heterodimers. Interacts with ZNF224.

Subcellular Location:

Nucleus. Note=Co-localizes with ZNF224 at the nucleus.

Tissue Specificity:

Expressed in testis. Up-regulated in bladder cancer cells (at protein level).

Similarity:

Contains 1 DEP domain.

Contains 1 Rho-GAP domain.

SWISS:

Q5TB30

Gene ID:

55635

Database links:

[Entrez Gene: 55635](#) Human

[Omir: 612002](#) Human

[SwissProt: Q5TB30](#) Human

[Unigene: 445098](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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