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DEPDC1 Rabbit pAb

Catalog Number:	bs-6525R
Target Protein:	DEPDC1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)
Reactivity:	Mouse (predicted:Human, Rat, Rabbit, Sheep, Cow, Horse)
Predicted MW:	93 kDa
Entrez Gene:	55635
Swiss Prot:	Q5TB30
Source:	KLH conjugated synthetic peptide derived from human DEPDC1: 606-660/811.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	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

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.7] Meiwen Lv. et al. Exosomal miR-130b-3p suppresses metastasis of non-small cell lung cancer cells by targeting DEPDC1 via TGF-β signaling pathway. INT J BIOL MACROMOL. 2024 Aug;275:133594 IHC ; Human . 38960258

[IF=6.208] Guangzhao Huang. et al. Glycolysis-Related Gene Analyses Indicate That DEPDC1 Promotes the Malignant Progression of Oral

Squamous Cell Carcinoma via the WNT/β-Catenin Signaling Pathway. INT J MOL SCI. 2023 Jan;24(3):1992 WB ; Human . 36768316

[IF=3.7] Meiwen Lv. et al. Comprehensive analysis and validation reveal DEPDC1 as a potential diagnostic biomarker associated with tumor immunity in non-small-cell lung cancer. PLOS ONE. 2024 Apr;19(4):e0294227 WB ; Human . 38564630