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Datasheet for ABIN1387597 anti-DEPTOR antibody (AA 56-170)

4 Images

2 Publications



Overview

Quantity:	100 µL
Target:	DEPTOR
Binding Specificity:	AA 56-170
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DEPTOR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DEPTOR/DEPDC6
lsotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.
Target Details	

Target:

DEPTOR

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Target Details	
Alternative Name:	Deptor (DEPTOR Products)
Background:	Synonyms: DEP.6, DEPDC6, DEP domain-containing mTOR-interacting protein, DEP domain- containing protein 6, DEPTOR Background: DEPTOR (DEP domain containing MTOR-interacting protein), also known as DEP.6 or DEPDC6 (DEP domain-containing protein 6), is a 409 amino acid protein that negatively regulates mTORC1 and mTORC2 pathways. DEPTOR interacts with FRAP via its PDZ domain, and undergoes post-translational phosphorylation. Containing two DEP domains and one PDZ (DHR) domain, DEPTOR is encoded by a gene that maps to human chromosome 8q24.12. Chromosome 8 consists of nearly 146 million base pairs, encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.
Gene ID:	64798
UniProt:	Q8TB45
Pathways:	PI3K-Akt Signaling, RTK Signaling, Regulation of Cell Size, BCR Signaling, Warburg Effect

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

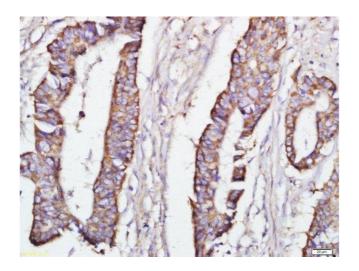
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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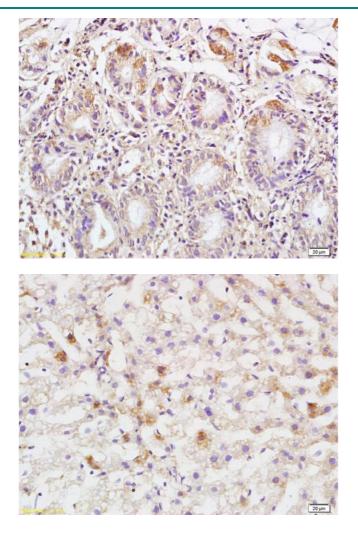
Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Liu, Cai, Zhang, Liu, Luo, Xing, Du: "Deacetylation of NAT10 by Sirt1 promotes the transition from rRNA biogenesis to autophagy upon energy stress." in: Nucleic acids research , Vol. 46, Issue 18, pp. 9601-9616, (2019) (PubMed).
	Liu, Zhang, Liu, Li, Zhang, Li, Liu, Huang, Shen, Gu, Gao, Wu, Wu: "High DEPTOR expression correlates with poor prognosis in patients with esophageal squamous cell carcinoma." in: OncoTargets and therapy , Vol. 8, pp. 3449-55, (2015) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded human colon cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with DEPTOR Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti DEPTOR/DEPDC6 Polyclonal Antibody, Unconjugated (ABIN1387597) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat liver labeled with Anti DEPTOR/DEPDC6 Polyclonal Antibody, Unconjugated (ABIN1387597) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 4 images are available for ABIN1387597.