

Datasheet for ABIN7269900

anti-Raptor antibody

4 Images

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Overview

Quantity:	100 µL
Target:	Raptor (RPTOR)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Raptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Raptor Rabbit mAb
Immunogen:	A synthesized peptide derived from human Raptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Raptor (RPTOR)
Alternative Name:	RPTOR (RPTOR Products)
Background:	This gene encodes a component of a signaling pathway that regulates cell growth in response

Target Details

to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],KOG1, Mip1,AMPK Signaling Pathway,Autophagy,Autophagy_Regulator,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell cycle inhibitors,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Insulin Receptor Signaling Pathway,mTOR Signaling Pathway,PI3K-Akt Signaling Pathway,Signal Transduction,T Cell Receptor Signaling Pathway,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,RPTOR

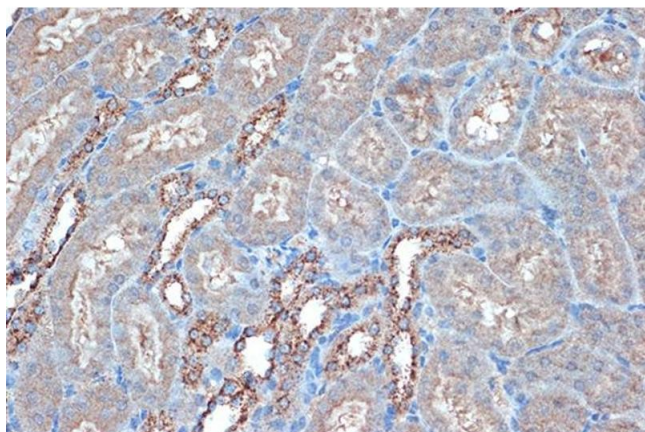
Molecular Weight:	149kDa
Gene ID:	57521
UniProt:	Q8N122
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development , Autophagy , BCR Signaling , Warburg Effect

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

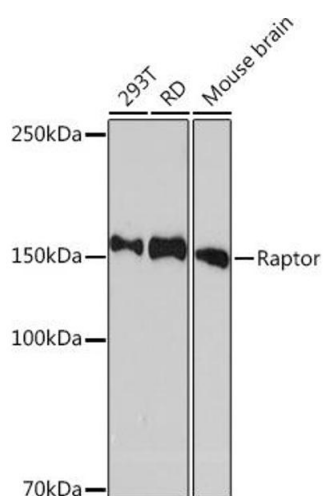
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



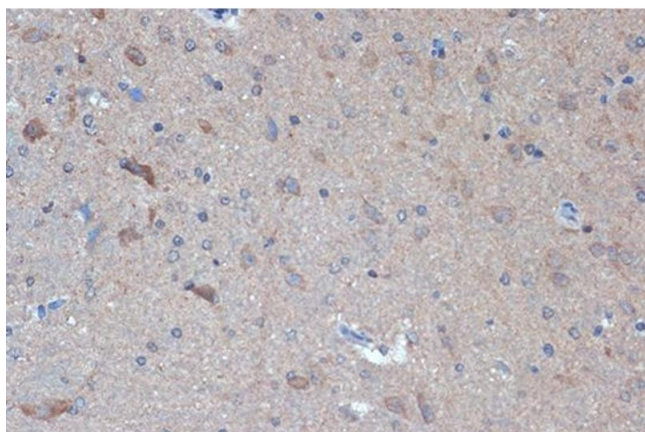
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using Raptor Rabbit mAb (ABIN7269900) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Raptor Rabbit mAb (ABIN7269900) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using Raptor Rabbit mAb (ABIN7269900) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7269900.