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Datasheet for ABIN1724920

anti-Raptor antibody (AA 874-1009)

3 Images

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Overview

Quantity:	0.1 mg
Target:	Raptor (RPTOR)
Binding Specificity:	AA 874-1009
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Raptor antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant fragment of human RPTOR (AA: 874-1009) expressed in E. coli.
Clone:	6G9C4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Raptor (RPTOR)
Alternative Name:	RPTOR (RPTOR Products)
Background:	Description: This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. The encoded protein forms a stoichiometric complex

Target Details

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. ,

Aliases: KOG1, Mip1

Molecular Weight: 149 kDa

Gene ID: 57521

HGNC: 57521

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: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

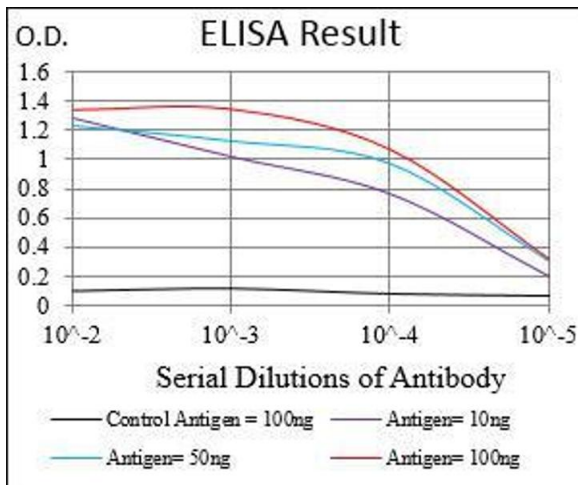
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

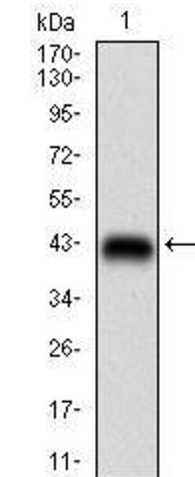
Product cited in: Nunez, Siegal, Reddy, Wei: "CD138 (syndecan-1) expression in bone-forming tumors." in: **American journal of clinical pathology**, Vol. 137, Issue 3, pp. 423-8, (2012) ([PubMed](#)).

Karasneh, Ali, Shukla: "An important role for syndecan-1 in herpes simplex virus type-1 induced cell-to-cell fusion and virus spread." in: **PLoS ONE**, Vol. 6, Issue 9, pp. e25252, (2011) ([PubMed](#)).



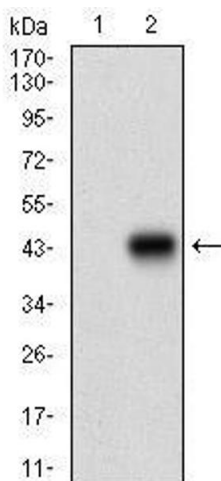
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using RPTOR mAb against human RPTOR (AA: 874-1009) recombinant protein. (Expected MW is 41 kDa)



Western Blotting

Image 3. Western blot analysis using RPTOR mAb against HEK293 (1) and RPTOR (AA: 874-1009)-hlgGfc transfected HEK293 (2) cell lysate.