

Datasheet for ABIN7539843
anti-Raptor antibody (AA 874-1009)



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Overview

Quantity:	100 µL
Target:	Raptor (RPTOR)
Binding Specificity:	AA 874-1009
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Raptor antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	RPTOR Antibody
Immunogen:	Purified recombinant fragment of human RPTOR (AA: 874-1009) expressed in E. Coli.
Clone:	5A3A4
Isotype:	IgG1
Purification:	Purified antibody

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.

Molecular Weight:	149 kDa
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:	ELISA: 1/10000 ICC: 1/200 - 1/1000
Restrictions:	For Research Use only

Handling

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:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.