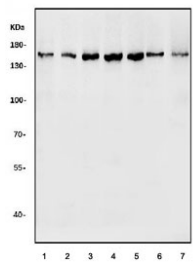
Raptor Antibody (RQ6395)

Catalog No.	Formulation	Size
RQ6395	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8N122
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Raptor antibody is available for research use only.



Western blot testing of human 1) HepG2, 2) HeLa, 3) MCF7, 4) HEK293, 5) A549, 6) rat brain and 7) mouse brain tissue lysate with Raptor antibody. Predicted molecular weight ~ 149 kDa.

Description

Regulatory-associated protein of mTOR also known as raptor or KIAA1303 is an adapter protein that is encoded in humans by the RPTOR gene. 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 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.

Application Notes

Optimal dilution of the Raptor antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R301-R358) was used as the immunogen for the Raptor antibody.

Storage

After reconstitution, the Raptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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