

anti- MARK4 antibody

Product Information

Catalog No.:	FNab05015
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Serine/threonine-protein kinase(PubMed:15009667, PubMed:14594945, PubMed:23666762, PubMed:23184942). Phosphorylates the microtubule-associated protein MAPT(PubMed:14594945, PubMed:23666762). Also phosphorylates the microtubule-associated proteins MAP2 and MAP4(PubMed:14594945). Involved in regulation of the microtubule network, causing reorganization of microtubules into bundles(PubMed:14594945, PubMed:25123532). Required for the initiation of axoneme extension during cilium assembly(PubMed:23400999). Regulates the centrosomal location of ODF2 and phosphorylates ODF2 in vitro(PubMed:23400999). Plays a role in cell cycle progression, specifically in the G1/S checkpoint(PubMed:25123532). Reduces neuronal cell survival(PubMed:15009667). Plays a role in energy homeostasis by regulating satiety and metabolic rate(By similarity). Promotes adipogenesis by activating JNK1 and inhibiting the p38MAPK pathway, and triggers apoptosis by activating the JNK1 pathway(By similarity). Phosphorylates mTORC1 complex member RPTOR and acts as a negative regulator of the mTORC1 complex, probably due to disruption of the interaction between phosphorylated RPTOR and the RRAGA/RRAGC heterodimer which is required for mTORC1 activation(PubMed:23184942).

Immunogen information

Immunogen: MAP/microtubule affinity-regulating kinase 4

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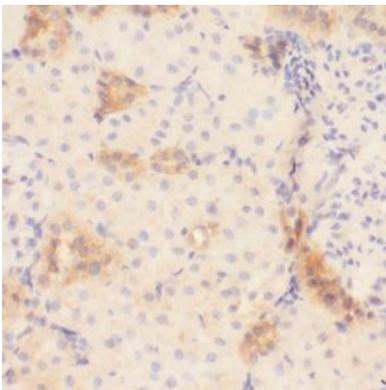
www.fn-test.com

Synonyms: KIAA1860, MARKL1
Observed MW: None
Uniprot ID : Q96L34

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, IHC
Recommended dilution:IHC: 1:20-1:200

Image:



Immunohistochemical of paraffin-embedded human kidney using FNab05015(MARK4 antibody) at dilution of 1:50