



MARK4 rabbit pAb

Cat No.:ES6934

For research use only

Overview

Product Name	MARK4 rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MARK4. AA range:461-510
Specificity	MARK4 Polyclonal Antibody detects endogenous levels of MARK4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	MAP/microtubule affinity-regulating kinase 4
Gene Name	MARK4
Cellular localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cytoskeleton, cilium axoneme . Cytoplasm . Cell projection, dendrite . Lo
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	83kD
Human Gene ID	57787
Human Swiss-Prot Number	Q96L34
Alternative Names	MARK4; KIAA1860; MARKL1; MAP/microtubule affinity-regulating kinase 4; MAP/microtubule affinity-regulating kinase-like 1





Background

microtubule affinity regulating kinase 4(MARK4)
Homo sapiens This gene encodes a member of the microtubule affinity-regulating kinase family. These protein kinases phosphorylate microtubule-associated proteins and regulate the transition between stable and dynamic microtubules. The encoded protein is associated with the centrosome throughout mitosis and may be involved in cell cycle control. Expression of this gene is a potential marker for cancer, and the encoded protein may also play a role in Alzheimer's disease. Pseudogenes of this gene are located on both the short and long arm of chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010],

Immunofluorescence analysis of A549 cells, using MARK4 Antibody. The picture on the right is blocked with the synthesized peptide.

