



MARK4 Polyclonal Antibody

Catalog No	YP-Ab-14826
Isotype	IgG
Reactivity	Human;Mouse
Applications	IF;ELISA
Gene Name	MARK4
Protein Name	MAP/microtubule affinity-regulating kinase 4
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.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MARK4; KIAA1860; MARKL1; MAP/microtubule affinity-regulating kinase 4; MAP/microtubule affinity-regulating kinase-like 1
Observed Band	83kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cytoskeleton, cilium axoneme . Cytoplasm . Cell projection, dendrite . Localized at the tips of neurite-like processes in differentiated neuroblast cells. Detected in the cytoplasm and neuropil of the hippocampus. .
Tissue Specificity	Ubiquitous. Isoform 2 is brain-specific (PubMed:11326310). Expressed at highest levels in brain and testis. Also expressed in heart, lung, liver, muscle, kidney and spleen (PubMed:14594945).
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily.,similarity:Contains 1 KA1 (kinase-associated) domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA domain.,tissue specificity:Ubiquitous. Isoform 2 is brain-specific.,
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],

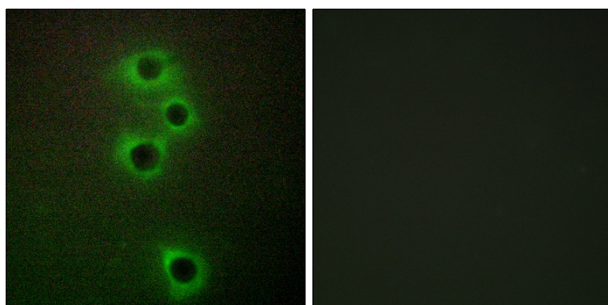
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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