

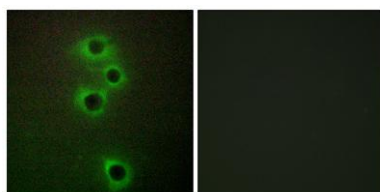
**MARK4 rabbit pAb****Cat#: orb769809 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	MARK4 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MARK4. AA range:461-510
<b>Specificity</b>	MARK4 Polyclonal Antibody detects endogenous levels of MARK4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	MAP/microtubule affinity-regulating kinase 4
<b>Gene Name</b>	MARK4
<b>Cellular localization</b>	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. .

<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	83kD
<b>Human Gene ID</b>	57787
<b>Human Swiss-Prot Number</b>	Q96L34
<b>Alternative Names</b>	MARK4; KIAA1860; MARKL1; MAP/microtubule affinity-regulating kinase 4; MAP/microtubule affinity-regulating kinase-like 1

<b>Background</b>	<p>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],</p>
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**Immunofluorescence analysis of A549 cells, using MARK4 Antibody. The picture on the right is blocked with the synthesized peptide.**