

## MARK Antibody

Catalog No: #34087

Package Size: #34087-1 50ul #34087-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

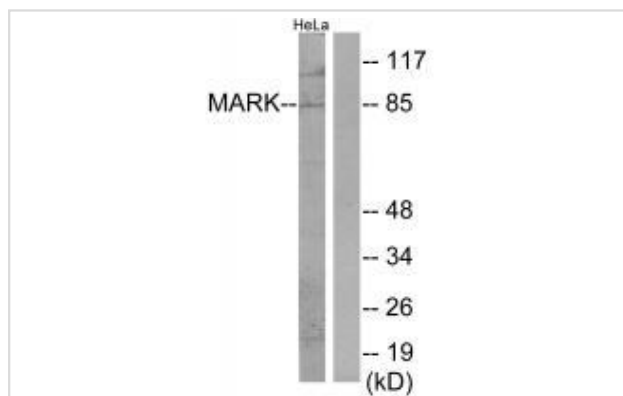
## Description

Product Name	MARK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total MARK protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MARK.
Target Name	MARK
Other Names	EC 2.7.11.1; MAP/microtubule affinity-regulating kinase 1; MARK;
Accession No.	Swiss-Prot: Q9P0L2NCBI Gene ID: 4139/2011/4140/57787
Uniprot	Q9P0L2
GeneID	4139;
SDS-PAGE MW	89kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from HeLa cells, using MARK antibody #34087.

## Background

Serine/threonine-protein kinase involved in cell polarity and microtubule dynamics regulation. Phosphorylates DCX, MAP2, MAP4 and MAPT/TAU. Involved in cell polarity by phosphorylating the microtubule-associated proteins MAP2, MAP4 and MAPT/TAU at KXGS motifs, causing detachment from microtubules, and their disassembly. Involved in the regulation of neuronal migration through its dual activities in regulating cellular polarity and microtubule dynamics, possibly by phosphorylating and regulating DCX. Also acts as a positive regulator of the Wnt signaling pathway, probably by mediating phosphorylation of dishevelled proteins (DVL1, DVL2 and/or DVL3).

Lizcano J.M., EMBO J. 23:833-843(2004).

Nagase T., DNA Res. 7:143-150(2000).

Gregory S.G., Nature 441:315-321(2006).

---

Note: This product is for in vitro research use only