

Recombinant Human MARK2 cell lysate

Cat. No. MARK2-1060HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associating proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	MARK2 MAP/microtubule affinity-regulating kinase 2 [Homo sapiens]
Official Symbol	MARK2
Synonyms	MARK2; MAP/microtubule affinity-regulating kinase 2; ELKL motif kinase , EMK1; serine/threonine-protein kinase MARK2; ELKL motif kinase 1; PAR 1; Par1b; protein

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	serine/threonine kinase; Ser/Thr protein kinase PAR 1B; serine/threonine kinase; PAR1 homolog b; Ser/Thr protein kinase PAR-1B; serine/threonine protein kinase EMK; EMK1; EMK-1; PAR-1; Par-1b; MGC99619;
Gene ID	2011
mRNA Refseq	NM_001039469
Protein Refseq	NP_001034558
MIM	600526
UniProt ID	Q7KZI7
Chromosome Location	11q13.1
Pathway	LKB1 signaling events, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	ATP binding; kinase activity; lipid binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; tau-protein kinase activity;