

## MARK2 Conjugated Antibody

Catalog No: #C49983



Package Size: #C49983-AF350 100ul #C49983-AF405 100ul #C49983-AF488 100ul  
 #C49983-AF555 100ul #C49983-AF594 100ul #C49983-AF647 100ul  
 #C49983-AF680 100ul #C49983-AF750 100ul #C49983-Biotin 100ul

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## Description

Product Name	MARK2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein near the C-terminus of human MARK2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ELKL motif kinase 1 antibody ELKL motif kinase antibody EMK-1 antibody EMK1 antibody MAP/microtubule affinity regulating kinase 2 antibody MAP/microtubule affinity-regulating kinase 2 antibody Mark2 antibody MARK2_HUMAN antibody MGC99619 antibody PAR 1 antibody Par 1b antibody PAR1 homolog antibody Par1b antibody Ser/Thr protein kinase PAR 1B antibody Serine/threonine protein kinase EMK antibody Serine/threonine protein kinase MARK2 antibody Serine/threonine-protein kinase MARK2 antibody
Accession No.	Swiss-Prot#:Q7KZI7
Uniprot	Q7KZI7
GeneID	2011;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	77/88 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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Microtubule affinity-regulating kinase 2 (MARK2), also known as EMK1 (ELKL motif kinase 1) or Par1b, is a 788 amino acid protein that is a member of the protein kinase superfamily, MARK subfamily. Highly expressed in heart, brain, skeletal muscle and pancreas, MARK2 is essential for the asymmetric development of membrane domains around polarized epithelial cells. Activation of MARK2 by phosphorylation on Thr 208 allows the protein to modulate the building of a columnar versus a hepatic epithelial cell. MARK2 contains one KA1 (kinase-associated) domain, one protein kinase domain and one UBA domain. MARK2 is expressed as 14 isoforms produced by alternative splicing events. Some of these isoforms may function in graft rejection.

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Note: This product is for in vitro research use only