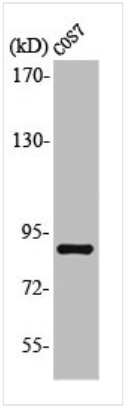
MARK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MARK1/MARK2/MARK3/MARK4, Polyclonal Antibody
Full Product Name	MARK1/MARK2/MARK3/MARK4 Antibody
Product Gene Name	anti-MARK1 antibody
Product Synonym Names	MARK1; KIAA1477; MARK; Serine/threonine-protein kinase MARK1; MAP/microtubule affinity-regulating kinase 1; PAR1 homolog c; Par-1c; Par1c; MARK2; EMK1; Serine/threonine-protein kinase MARK2; ELKL motif kinase 1; EMK-1; MAP/microtubule affin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Monkey
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	84,911 Da
OMIM	606511
3D Structure	ModBase 3D Structure for Q9P0L2
Immunogen	Synthesized peptide derived from human MARK1/2/3/4 around the non-phosphorylation site of T215.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-MARK1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MARK1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-MARK1 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-MARK1 antibody	MBS7116574 is an antibody targeting MARK1. Also known as MARK1/MARK2/MARK3/MARK4 Antibody. Reactive in Human, Mouse, Rat, Monkey. Host: Rabbit.
Other Notes	Small volumes of anti-MARK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MARK1 antibody
Western Blot analysis of COS7 cells using MARK1/2/3/4 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MARK1. It may not necessarily be applicable to this product.

NCBI GI #	153791472
NCBI GeneID	4139
NCBI Accession #	NP_061120.3
UniProt Primary Accession #	Q9P0L2
UniProt Secondary Accession #	Q7KZI7; P27448; Q96L34
UniProt Related Accession #	Q9P0L2
GenBank Nucleotide #	NM_018650.4
NCBI Official Full Name	serine/threonine-protein kinase MARK1 isoform 2
NCBI Official Synonym Full Names	MAP/microtubule affinity-regulating kinase 1
NCBI Official Symbol	MARK1
NCBI Official Synonym Symbols	MARK; Par1c; Par-1c
UniProt Protein Name	Serine/threonine-protein kinase MARK1
UniProt Synonym Protein Names	MAP/microtubule affinity-regulating kinase 1; PAR1 homolog c; Par-1c; Par1c
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	MARK1
UniProt Synonym Gene Names	Par-1c; Par1c
UniProt Entry Name	MARK1_HUMAN
NCBI Protein Information	serine/threonine-protein kinase MARK1; PAR1 homolog c

UniProt Comments for MARK1	MARK1: a member of the CAMKL family of protein kinases. The MARK group of kinases is apparently involved in the control of cell polarity, microtubule stability and cancer. MARK1 forms a tight association with Tau in neurofibrillary tangles in Alzheimer disease tissue. Protein type: Protein kinase, Ser/Thr (non-receptor); Kinase, protein; EC 2.7.11.26; EC 2.7.11.1; Protein kinase, CAMK; CAMK group; CAMKL family; MARK subfamily Chromosomal Location of Human Ortholog: 1q41 Cellular Component: microtubule cytoskeleton; cytoskeleton; cytoplasm; plasma membrane Molecular Function: protein serine/threonine kinase activity; phosphatidylinositol-4,5-bisphosphate binding; phosphatidylserine binding; tau-protein kinase activity; magnesium ion binding; ATP binding Biological Process: Wnt receptor signaling pathway; neuron migration; cytoskeleton organization and biogenesis; protein amino acid phosphorylation
Research Articles on MARK1	**1.** the positioning of MARK/Par-1 at the crosstalk of regulating cytoskeletal dynamics allows its participation in neuronal polarity decisions. [review]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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