

Rabbit MARK Polyclonal Antibody | anti-MARK1 antibody

MARK Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285150	Rabbit	Human (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MARK; Polyclonal Antibody; MARK Antibody (C-term); Serine/threonine-protein kinase MARK1; MAP/microtubule affinity-regulating kinase 1; PAR1 homolog c; Par-1c; Par1c; MARK1 HGNC:6896; anti-MARK1 antibody

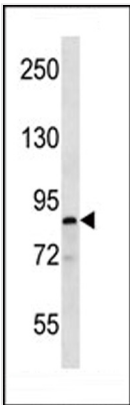
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MARK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 643-674 amino acids from the C-terminal region of human MARK.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	643-674
Sequence Length	795
Applicable Applications for anti-MARK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
MARK Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MARK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MARK Antibody (S658) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the MARK antibody detected the MARK protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MARK1 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.
Product Categories/Family for anti-MARK1 antibody	Signal Transduction
References	Drewes, G., et al., Cell 89(2):297-308 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791472
NCBI GeneID	4139
NCBI Accession #	NP_061120.3
NCBI GenBank Nucleotide #	NM_018650.4
UniProt Accession #	Q9P0L2; Q2HIY1; Q5VTF9; Q5VTG0; Q96SW9; Q9P251; D3DTB0; D3DTB1
Molecular Weight	89003
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
NCBI Protein Information	serine/threonine-protein kinase MARK1
UniProt Protein Name	Serine/threonine-protein kinase MARK1

UniProt Gene Name	MARK1
UniProt Synonym Gene Names	Par-1c; Par1c
UniProt Entry Name	MARK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mark-antibody-immunohistochemistry-western-blot-elisa/285150>