

## Rabbit MARK2 (EMK) Polyclonal Antibody | anti-MARK2 antibody

MARK2 (EMK) Antibody (C-term)

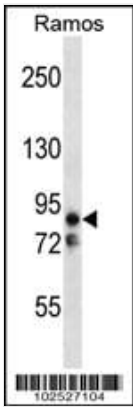
| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                              |
|-----------|--------|------------------------------------------|-------------------------------------------|
| AAA285826 | Rabbit | Human, mouse (Predicted Reactivity: Rat) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

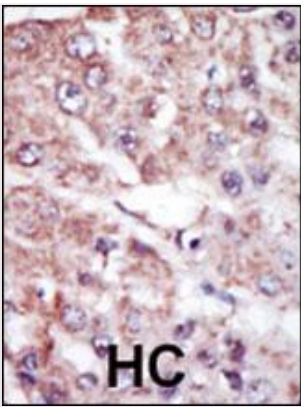
MARK2 (EMK); Polyclonal Antibody; MARK2 (EMK) Antibody (C-term); Serine/threonine-protein kinase MARK2; ELKL motif kinase 1; EMK-1; MAP/microtubule affinity-regulating kinase 2; PAR1 homolog; PAR1 homolog b; Par-1b; Par1b; MARK2 [ECO:0000312][EMBL:AAH087712]; EMK1; anti-MARK2 antibody

### PRODUCT SPECIFICATIONS

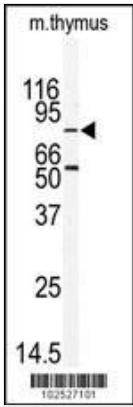
|                                                 |                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                             |
| Reactivity                                      | Human, mouse (Predicted Reactivity: Rat)                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                         |
| Isotype                                         | Rabbit Ig                                                                                                                                                                          |
| Specificity                                     | This MARK2 (EMK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 600-630 amino acids from the C-terminal region of human MARK2 (EMK). |
| Purity/Purification                             | 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                              | 600-630                                                                                                                                                                            |
| Sequence Length                                 | 788                                                                                                                                                                                |
| Applicable Applications for anti-MARK2 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.                             |



**WB (Western Blot)**  
EMK Antibody (V581) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the EMK antibody detected the EMK protein (arrow).



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
Western blot analysis of anti-EMK Antibody (C-term) in mouse thymus tissue lysates (35ug/lane). EMK (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MARK2 antibody | Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ 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. |
| Product Categories/Family for anti-MARK2 antibody   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| References                                          | Blume-Jensen P, et al. Nature 2001. 411: 355.<br>Cantrell D, J. Cell Sci. 2001. 114: 1439.<br>Jhiang S Oncogene 2000. 19: 5590.<br>Manning G, et al. Science 2002. 298: 1912.<br>Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359.<br>Robertson, S. et al. Trends Genet. 2000. 16: 368.<br>Robinson D, et al. Oncogene 2000. 19: 5548.<br>Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889.<br>Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561.<br>Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 254028234                                                                |
| NCBI GeneID                      | 2011                                                                     |
| NCBI Accession #                 | NP_001034558.2; NP_001156768.1; NP_001156769.1; NP_004945.4; NP_059672.2 |
| NCBI GenBank Nucleotide #        | NM_001039469.2                                                           |
| UniProt Accession #              | Q7KZI7; Q15449; Q15524; Q5XGA3; Q68A18; Q96HB3; Q96RG0                   |
| Molecular Weight                 | 87911                                                                    |
| NCBI Official Full Name          | serine/threonine-protein kinase MARK2 isoform d                          |
| NCBI Official Synonym Full Names | MAP/microtubule affinity-regulating kinase 2                             |
| NCBI Official Symbol             | MARK2                                                                    |
| NCBI Official Synonym Symbols    | EMK1; EMK-1; PAR-1; Par1b; Par-1b                                        |
| NCBI Protein Information         | serine/threonine-protein kinase MARK2                                    |
| UniProt Protein Name             | Serine/threonine-protein kinase MARK2                                    |
| UniProt Gene Name                | <b>MARK2</b>                                                             |
| UniProt Synonym Gene Names       | EMK-1; Par-1b; Par1b                                                     |
| UniProt Entry Name               | MARK2_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/mark2-emk-antibody-immunohistochemistry-western-blot-elisa/285826>