

## Rabbit MARK2 Polyclonal Antibody | anti-MARK2 antibody

Anti-MARK2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA269649 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

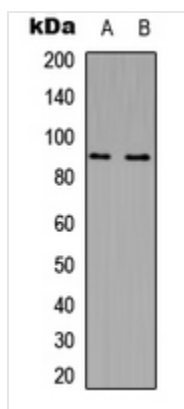
### PRODUCT SYNONYMS

MARK2; Polyclonal Antibody; Anti-MARK2 Antibody; EMK1; 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; anti-MARK2 antibody

### PRODUCT SPECIFICATIONS

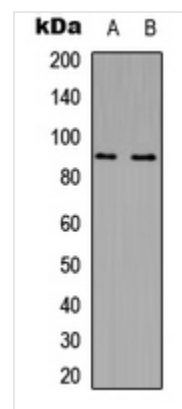
|                                                 |                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                               |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                           |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                                      |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Applicable Applications for anti-MARK2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                               |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MARK2. The exact sequence is proprietary. |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                       |

### IMAGES



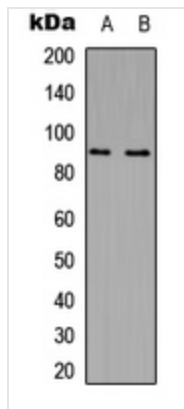
#### IF (Immunofluorescence)

Immunofluorescent analysis of MARK2 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of MARK2 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



**WB (Western Blot)**  
Western blot analysis of MARK2 expression in Jurkat (A), NIH3T3 (B) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| Related Product Information for anti-MARK2 antibody | Rabbit polyclonal antibody to MARK2 |
| Product Categories/Family for anti-MARK2 antibody   | Primary Antibody                    |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 254028234                                                                                                                                      |
| NCBI GeneID                      | 2011                                                                                                                                           |
| NCBI Accession #                 | NP_001034558.2                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001039469.2                                                                                                                                 |
| UniProt Accession #              | Q7KZI7; Q15449; Q15524; Q5XGA3; Q68A18; Q96HB3; Q96RG0                                                                                         |
| Molecular Weight                 | 87,911 Da                                                                                                                                      |
| 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; PAR1 homolog b; ELKL motif kinase 1; Ser/Thr protein kinase PAR-1B; serine/threonine protein kinase EMK |
| UniProt Protein Name             | Serine/threonine-protein kinase MARK2                                                                                                          |
| UniProt Gene Name                | <b>MARK2</b>                                                                                                                                   |
| UniProt Synonym Gene Names       | EMK1; 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.