

Datasheet for ABIN878397

**anti-MARK2 antibody (pSer595) (AbBy Fluor® 488)**[Go to Product page](#)

## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                          |
| Target:              | MARK2                                                                           |
| Binding Specificity: | pSer595                                                                         |
| Reactivity:          | Human, Mouse, Rat                                                               |
| Host:                | Rabbit                                                                          |
| Clonality:           | Polyclonal                                                                      |
| Conjugate:           | This MARK2 antibody is conjugated to AbBy Fluor® 488                            |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic phosphopeptide derived from human MARK2 around the phosphorylation site of Ser595 |
| Isotype:          | IgG                                                                                                        |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                          |
| Purification:     | Purified by Protein A.                                                                                     |

## Target Details

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Target:           | MARK2                                                                         |
| Alternative Name: | Mark2 ( <a href="#">MARK2 Products</a> )                                      |
| Background:       | Synonyms: ELKL mot kinase 1, MARK2phospho S595, ELKL mot kinase, EMK-1, EMK1, |

## Target Details

MAP/microtubule affinity regulating kinase 2, MAP/microtubule affinity-regulating kinase 2, Mark2, MARK2\_HUMAN, PAR1 homolog, Serine/threonine protein kinase MARK2, Serine/threonine-protein kinase MARK2.

Background: MARK2 refers to MAP/microtubule affinity-regulating kinase 2 isoform a [Homo sapiens]. EMK (ELKL Motif Kinase) is a small family of ser/thr protein kinases involved in the control of cell polarity, microtubule stability and cancer. Several cDNA clones have been isolated that encoded two isoforms of the human ser/thr protein kinase EMK1 called MARK2. These isoforms were characterized by the presence of a 162-bp alternative exon that gave rise to two forms, one containing the exon and the other one lacking it. Both forms were found to be coexpressed in a number of selected cell lines and tissue samples. Human MARK2 was shown to be encoded by a single mRNA ubiquitously expressed. This transcription variant includes the alternative exon in the coding region and therefore codes for a longer protein. Multiple splice variants exist for this protein.

Gene ID: 2011

UniProt: [Q7KZI7](#)

Pathways: [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

## Application Details

Application Notes: IF(IHC-P)(1:50-200)

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |