



Datasheet for ABIN129661
anti-MARK2 antibody (Isoform A, pThr595)



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2 Images

Overview

Quantity:	100 µg
Target:	MARK2
Binding Specificity:	Isoform A, pThr595
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARK2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids surrounding T595 of Human MARK2 . The immunogen peptide was phosphorylated at the residue corresponding to T595.
Isotype:	IgG
Cross-Reactivity:	Dog (Canine), Sheep (Ovine), Mouse (Murine), Rat (Rattus)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	MARK2
Alternative Name:	MARK2 (MARK2 Products)

Target Details

Background: This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. This antibody recognizes a regulatory phosphorylation on a kinase that is critical to regulation of microtubules, cell cycle and immune responses. 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 encode 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 gives rise to two forms, one containing the exon and the other one lacking it. Both forms were found to be co-expressed in a number of selected cell lines and tissue samples. Human MARK2 was shown to be encoded by a single mRNA that is 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.

Synonyms: ELKL motif kinase antibody, EMK1 antibody, MAP/microtubule affinity regulating kinase 2 antibody, PAR1 homolog antibody, Serine/threonine protein kinase MARK2 antibody

Gene ID: 2011

UniProt: [Q7KZI7](#), [Q7KZ17](#)

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

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 83 kDa corresponding to MARK2 by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.6 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

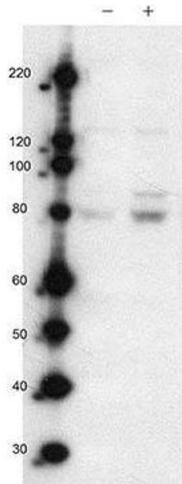
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

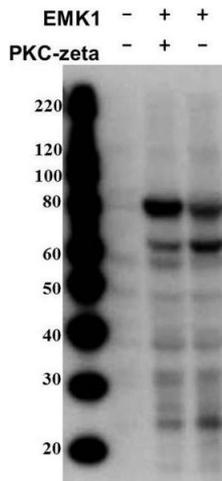
Storage: -20 °C

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-MARK2pT595 antibody. Lane 1: wild type Jurkat cells. Lane 2: wild type Jurkat cells stimulated with CD3/CD28 (T-cell receptor stimulation). Load: 35 µg per lane. Primary antibody: MARK2 pT595 antibody at 1:500 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~83 kDa for MARK2pT595.



Western Blotting

Image 2. Western Blot of Rabbit anti-MARK2pT595 antibody. Lane 1: 293T cells untransfected. Lane 2: 293T cells transfected with MARK2 and PKC-zeta. Lane 3: 293T cells transfected with MARK2. Load: 35 µg per lane. Primary antibody: MARK2pT595 antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~83kDa kDa for MARK2 pT595. Other band(s): MARK2pT595 splice variants and isoforms.