Datasheet for ABIN7299788

anti-MARK1 antibody (Center)

3 Images

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Overview

Quantity:	100 µL
Target:	MARK1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MARK.
Specificity:	Recognizes endogenous levels of MARK protein.
Characteristics:	Rabbit polyclonal antibody to MARK
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	MARK1
Alternative Name:	MARK (MARK1 Products)

Target Details

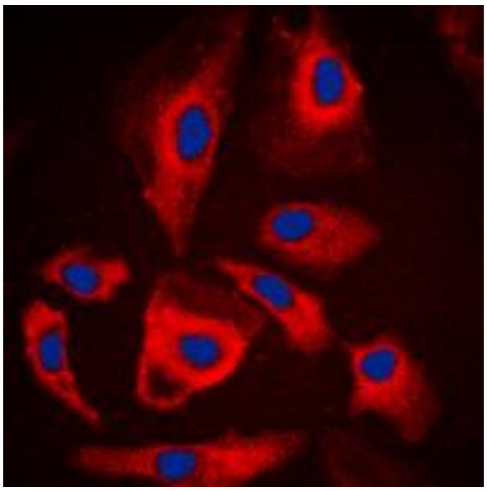
Background:	MARK1, KIAA1477, MARK, Serine/threonine-protein kinase MARK1, MAP/microtubule affinity-regulating kinase 1, PAR1 homolog c, Par-1c, Par1c, MARK2, EMK1, Serine/threonine-protein kinase MARK2, ELKL motif kinase 1, EMK-1, MAP/microtubule affinity-regulating kinase 2, PAR1 homolog, PAR1 homolog b, Par-1b, Par1b, MARK3, CTAK1, EMK2, MAP/microtubule affinity-regulating kinase 3, C-TAK1, cTAK1, Cdc25C-associated protein kinase 1, ELKL motif kinase 2, EMK-2, Protein kinase STK10, Ser/Thr protein kinase PAR-1, Par-1a, Serine/threonine-protein kinase p78, MARK4, KIAA1860, MARKL1, MAP/microtubule affinity-regulating kinase 4, MAP/microtubule affinity-regulating kinase-like 1
Gene ID:	4139, 2011, 4140
UniProt:	Q9P0L2, Q7KZI7, P27448, Q96L34, Q8VHJ5, Q05512, Q03141, Q8CIP4, O08678, O08679, Q8VHF0
Pathways:	SARS-CoV-2 Protein Interactome, The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

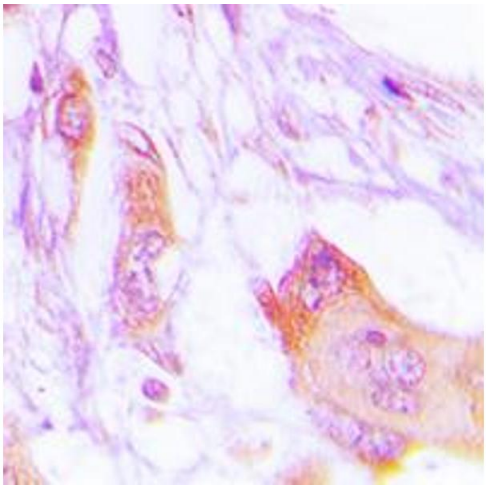
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
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
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



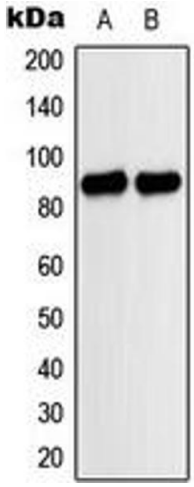
Immunofluorescence

Image 1. Immunofluorescent analysis of MARK staining in A549 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 °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).



Immunohistochemistry

Image 2. Immunohistochemical analysis of MARK staining in human lung 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.



Western Blotting

Image 3. Western blot analysis of MARK expression in A549 (A), HeLa (B) whole cell lysates.