

Datasheet for ABIN652301
anti-MARK1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	MARK1
Binding Specificity:	AA 643-674, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MARK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 643-674 amino acids from the C-terminal region of human MARK.
Clone:	RB1272
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MARK1
Alternative Name:	MARK (MARK1 Products)

Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ 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. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.
Molecular Weight:	89003
Gene ID:	4139
NCBI Accession:	NP_061120
UniProt:	Q9P0L2
Pathways:	SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

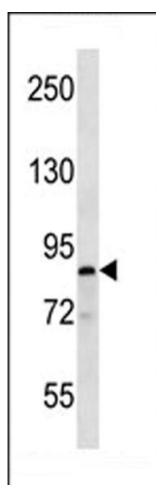
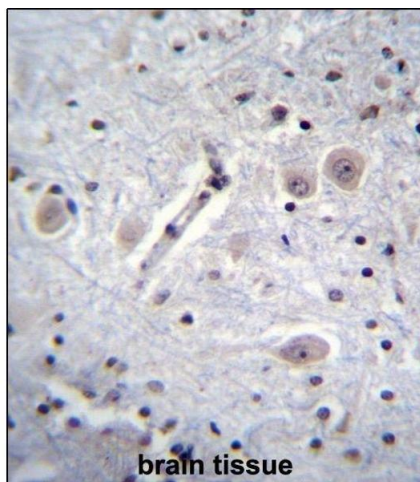
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. RK Antibody (C-term) (ABIN652301 and ABIN2841363) immunohistochemistry analysis in forlin fixed and paraffin embedded hun brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. RK Antibody (ABIN652301 and ABIN2841363) western blot analysis in T47D cell line lysates (35 µg/lane). This demonstrates the RK antibody detected the RK protein (arrow).