

Datasheet for ABIN392538  
**anti-MARK2 antibody (C-Term)**

3 Images

1 Publication

[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	MARK2
Binding Specificity:	AA 600-630, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This MARK2 (EMK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 600-630 amino acids from the C-terminal region of human MARK2 (EMK).
Clone:	RB2527-2528
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	MARK2
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## Target Details

Alternative Name:	MARK2 (EMK) ( <a href="#">MARK2 Products</a> )
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ 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.
Molecular Weight:	87911
Gene ID:	2011
NCBI Accession:	<a href="#">NP_001034558</a> , <a href="#">NP_001156768</a> , <a href="#">NP_001156769</a> , <a href="#">NP_004945</a> , <a href="#">NP_059672</a>
UniProt:	<a href="#">Q7KZI7</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

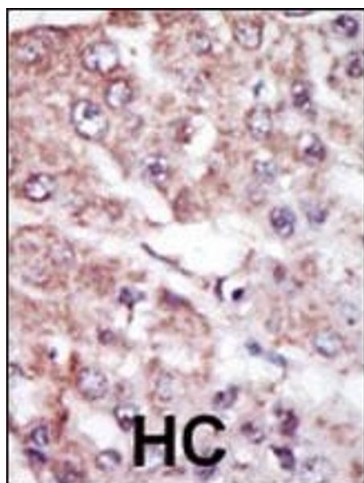
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment: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

## Publications

Product cited in: Pan, Hsuchou, Cornelissen-Guillaume, Jayaram, Wang, Tu, Halberg, Wu, Chua, Kastin: "Endothelial leptin receptor mutation provides partial resistance to diet-induced obesity." in: **Journal of applied physiology (Bethesda, Md. : 1985)**, Vol. 112, Issue 8, pp. 1410-8, (2012) ([PubMed](#)).

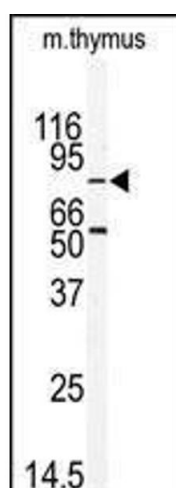
Wang, Yang, Du, Guan, Xu, Xu, Su, Miao: "Involvement of Leptin Receptor (LepRb)-STAT3 Signaling Pathway in Brain FTO Downregulation during Energy Restriction." in: **Molecular medicine (Cambridge, Mass.)**, (2011) ([PubMed](#)).

## Images



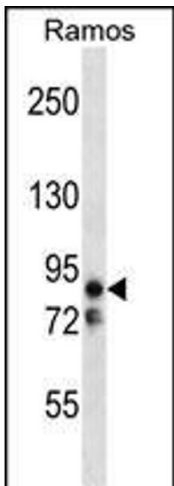
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



### Western Blotting

**Image 2.** Western blot analysis of anti-EMK Antibody (C-term) (ABIN392538 and ABIN2837987) in mouse thymus tissue lysates (35 µg/lane). EMK(arrow) was detected using the purified Pab.



Western Blotting

**Image 3.** EMK Antibody (ABIN392538 and ABIN2837987) western blot analysis in Ramos cell line lysates (35  $\mu$ g/lane). This demonstrates the EMK antibody detected the EMK protein (arrow).