


Product datasheet

Anti-MARK2 (phospho T595) antibody ab34751

[5 References](#) [1 Image](#)

Overview

Product name	Anti-MARK2 (phospho T595) antibody
Description	Rabbit polyclonal to MARK2 (phospho T595)
Host species	Rabbit
Specificity	Reactivity occurs against human MARK2 pT595 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated human MARK2 is minimal by ELISA. Expect at least partial reactivity with other isoforms of MARK. The immunogen sequence is present in all forms identified to date and localizes to T595 on MARK2, T587 on MARK3, T591 on MARK1 and T568 on MARK4.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Mouse, Cow, Dog 
Immunogen	Synthetic peptide corresponding to Human MARK2 aa 550-650 (phospho T595). Database link: Q7KZ17 Run BLAST with Run BLAST with
Positive control	HEK293 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified

Purification notes	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

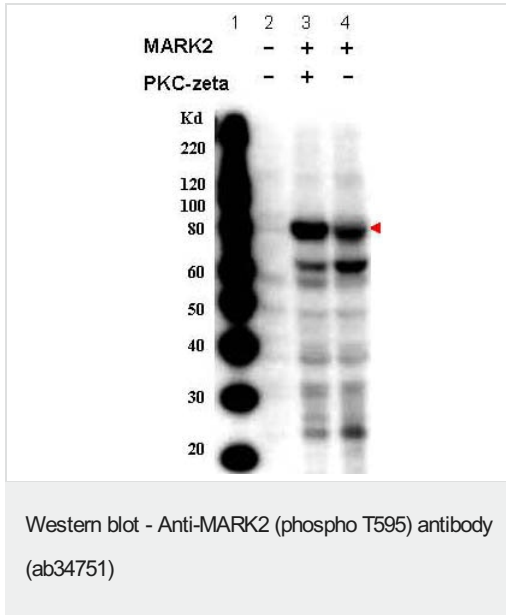
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34751 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Detects a band of approximately 82 kDa (predicted molecular weight: 87 kDa).

Target

Function	Role in epithelial morphogenesis. Modulates the developmental decision to build a columnar versus a hepatic epithelial cell apparently by promoting a switch from a direct to a transcytotic mode of apical protein delivery. Essential for the asymmetric development of membrane domains of polarized epithelial cells. One or more isoforms may play a role in graft rejection.
Tissue specificity	High levels of expression in heart, brain, skeletal muscle and pancreas, lower levels observed in lung, liver and kidney.
Sequence similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily. Contains 1 KA1 (kinase-associated) domain. Contains 1 protein kinase domain. Contains 1 UBA domain.
Cellular localization	Cell membrane. Phosphorylated by PRKCZ in polarized epithelial cells, resulting in an interaction with YWHAZ which promotes relocation from the lateral to the apical membrane.

Images



All lanes : Anti-MARK2 (phospho T595) antibody (ab34751) at 1/500 dilution

Lane 1 : MW markers

Lane 2 : untransfected HEK293 cell lysate

Lane 3 : HEK293 cells transfected with pCMV-3xFlag-MARK2 plus pCMV-Flag-PKC-zeta

Lane 4 : HEK293 cells transfected with pCMV-3xFlag-MARK2 only

Predicted band size: 87 kDa

Observed band size: 82 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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