

Datasheet for ABIN392643  
**anti-ZAK antibody (AA 271-300)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	ZAK
Binding Specificity:	AA 271-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This MLKLAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 271-300 amino acids from the Central region of human MLKLAK.
Clone:	RB03313-03314
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	ZAK
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## Target Details

Alternative Name:	MLKLAK ( <a href="#">ZAK Products</a> )
Background:	<p>MLKLAK is a member of the MAPKKK family of signal transduction molecules. It possesses an N-terminal kinase catalytic domain, followed by a leucine zipper motif and a sterile-alpha motif (SAM). This magnesium-binding protein forms homodimers and is located in the cytoplasm.</p> <p>The protein mediates gamma radiation signaling leading to cell cycle arrest and activity of this protein plays a role in cell cycle checkpoint regulation in cells. The protein also has pro-apoptotic activity.</p>
Molecular Weight:	91155
Gene ID:	51776
NCBI Accession:	<a href="#">NP_057737</a> , <a href="#">NP_598407</a>
UniProt:	<a href="#">Q9NYL2</a>

## Application Details

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

## Handling

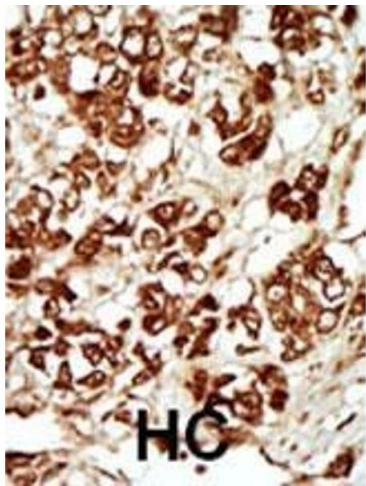
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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:	Nasr, Mukhopadhyay, Zhang, Katzenstein: "Immunohistochemical markers in diagnosis of papillary thyroid carcinoma: Utility of HBME1 combined with CK19 immunostaining." in: <b>Modern</b>
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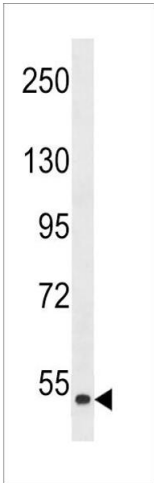
**pathology : an official journal of the United States and Canadian Academy of Pathology, Inc,**  
Vol. 19, Issue 12, pp. 1631-7, (2006) ([PubMed](#)).

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-MLKLAK- Pab (ABIN392643 and ABIN2842146) in HepG2 cell line lysate (35 µg/lane). MLKLAK-(arrow) was detected using the purified Pab. This western blot detected isoform 2 of MLKLAK, the accession number for MLKLAK isoform 1 is Q9NYL2, NP\_057737.