

Datasheet for ABIN1714238  
**anti-ZAK antibody (AA 1-100)**



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## Overview

Quantity:	100 µL
Target:	ZAK
Binding Specificity:	AA 1-100
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAK antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ZAK/HCCS4
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	ZAK
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## Target Details

Alternative Name:	ZAK/HCCS4 ( <a href="#">ZAK Products</a> )
Background:	<p>Synonyms: AZK, Cervical cancer suppressor gene 4 protein, HCCS 4, HCCS-4, HCCS4, Human cervical cancer suppressor gene 4 protein, Leucine zipper and sterile alpha mot containing kinase, Leucine zipper- and sterile alpha mot-containing kinase, Mitogen activated protein kinase kinase kinase MLT, Mitogen-activated protein kinase kinase kinase MLT, Mixed lineage kinase 7, Mixed lineage kinase related kinase, Mixed lineage kinase related kinase MRK beta, Mixed lineage kinase with a leucine zipper and a sterile alpha mot, Mixed lineage kinase-related kinase, MLK 7, MLK like mitogen activated protein triple kinase, MLK related kinase, MLK-like mitogen-activated protein triple kinase, MLK-related kinase, MLK7, Mlklak, MLT, MLTK, MLTK_HUMAN, MRK, Sterile alpha mot and leucine zipper containing kinase AZK, Sterile alpha mot- and leucine zipper-containing kinase AZK, ZAK.</p> <p>Background: Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2. Isoform 1, but not isoform 2, causes cell shrinkage and disruption of actin stress fibers. Isoform 1 may have role in neoplastic cell transformation and cancer development. Isoform 1, but not isoform 2, phosphorylates histone H3 at 'Ser-28'.</p>
Gene ID:	51776

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months