



Anti-ZIP Kinase antibody ab2057

★★★★★ [1 Abreviews](#) [3 References](#) [5 Images](#)

Overview

Product name	Anti-ZIP Kinase antibody
Description	Rabbit polyclonal to ZIP Kinase
Host species	Rabbit
Specificity	It has no cross reactivity to DAP kinase.
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human ZIP Kinase aa 250-350 (internal sequence). ZIP kinase antibody was raised against a peptide corresponding to amino acids near the center of human ZIP kinase. Database link: O43293
	 Run BLAST with  Run BLAST with
Positive control	HeLa whole cell lysate or Jurkat whole cell lysate.
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	pH: 7.2 Preservative: 0.02% Sodium azide
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab2057 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
ICC/IF		Use a concentration of 10 µg/ml.
WB	★★★★★ (1)	Use at an assay dependent concentration.

Target

Function

Serine/threonine kinase which acts as a positive regulator of apoptosis. Phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis. Regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. Involved in the formation of promyelocytic leukemia protein nuclear body (PML-NB), one of many subnuclear domains in the eukaryotic cell nucleus, and which is involved in oncogenesis and viral infection.

Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.

Contains 1 protein kinase domain.

Post-translational modifications

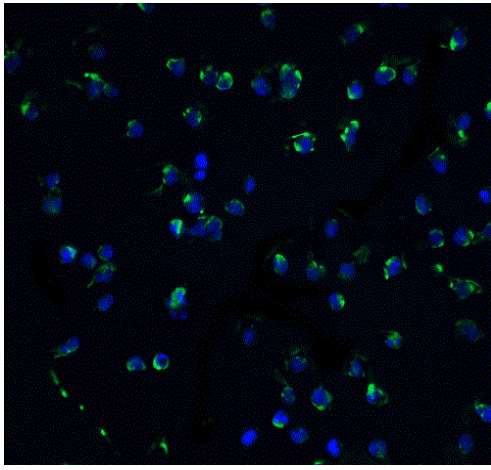
Ubiquitinated. Ubiquitination mediated by the UBE2D3 E3 ligase does not lead to proteasomal degradation, but influences promyelocytic leukemia protein nuclear bodies (PML-NBs) formation in the nucleus.

Autophosphorylated. Phosphorylated by ROCK1.

Cellular localization

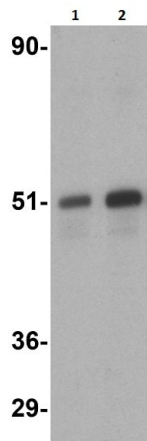
Nucleus. Cytoplasm. Nucleus > PML body. Relocates to the cytoplasm on binding PAWR where the complex appears to interact with actin filaments (By similarity). Localizes to promyelocytic leukemia protein nuclear bodies (PML-NBs). Associates to centromeres from prophase to anaphase.

Images



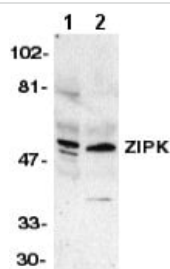
Immunocytochemistry/ Immunofluorescence - Anti-ZIP Kinase antibody (ab2057)

Immunocytochemistry/ Immunofluorescence of Jurkat cells staining ZIP Kinase with ab2057 at 10µg/ml



Western blot - Anti-ZIP Kinase antibody (ab2057)

Western Blot of HeLa and Jurkat cell lysates labeling ZIP Kinase with Anti-ZIP Kinase antibody (ab2057) at 1µg/ml.



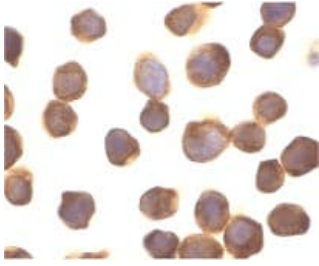
Western blot - Anti-ZIP Kinase antibody (ab2057)

All lanes : Anti-ZIP Kinase antibody (ab2057) at 1/500 dilution

Lane 1 : HeLa whole cell lysate

Lane 2 : Jurkat whole cell lysate

Observed band size: 40 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ZIP Kinase antibody (ab2057)

ab2057 at 10µg/ml staining of ZIP kinase in Jurkat cell by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-ZIP Kinase antibody (ab2057)

Immunofluorescence of ZIPK in Jurkat cells using ab2057 at 10 ug/ml.

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