SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-ZIP Kinase (Thr265)antibody

Catalog Number: SL8664R

FOR RESEARCH USE ONLY

[DATASHEET]

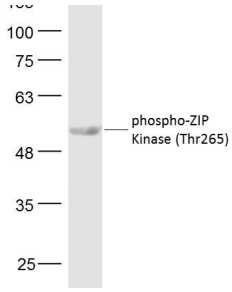
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-ZIP Kinase (Thr265)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human ZIP Kinase around the phosphorylation site of Thr265: RM(p-T)IA
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4 Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse)
Predicted MW.:	53kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	Death-associated protein kinase 3 (DAPK3) induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis. [provided by RefSeq, Jul 2008] **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

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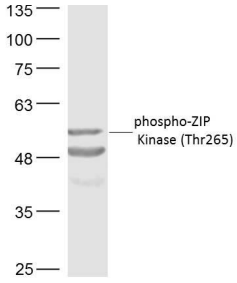
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	cell nucleus, and which is involved in oncogenesis and viral infection. **Subcellular Location:** Nucleus. Cytoplasm. Nucleus > PML body. Relocates to the cytoplasm on binding PAWR where the complex appears to interact with actin filaments (By similarity). Localizes to promyelocytic leukemia protein nuclear bodies (PML-NBs). Associates to centromeres from prophase to anaphase. **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. **Similarity:** Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily. Contains 1 protein kinase domain. **Database links:** **Entrez Gene:** 1613 Human **Entrez Gene:** 13144 Mouse Omim: 603289 Human **SwissProt:** O43293 Human **SwissProt:** O54784 Mouse **Unigene:** 631844 Human **Unigene:** 10294 Mouse

[VALIDATION IMAGES]



Sample:
Lung (Mouse) Lysate at 40 ug
Primary: Anti- phospho-ZIP Kinase (Thr265) (SL8664R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kD
Observed band size: 53 kD



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti- phospho-ZIP Kinase (Thr265) (SL8664R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kD
Observed band size: 53 kD

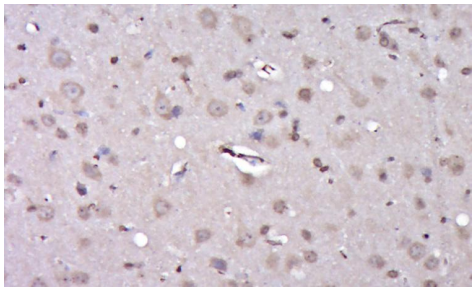
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Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-ZIP Kinase (Thr265)) Polyclonal Antibody, Unconjugated (SL8664R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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