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Rabbit Anti-phospho-ZIP Kinase (Thr265) antibody

SL8664R

Product Name:	phospho-ZIP Kinase (Thr265)
Chinese Name:	磷酸化死亡相关蛋白激酶3抗体
Alias:	ZIP Kinase (phospho T265); p-ZIP Kinase (phospho T265) DAP kinase 3; DAP like kinase; DAP-like kinase; Dapk 3; DAPK3; DAPK3_HUMAN; Death associated kinase 3; Death associated protein kinase 3; Death-associated protein kinase 3; Dlk; EC 2.7.11.1; FLJ36473; MYPT1 kinase; ZIP; ZIP kinase; ZIP kinase isoform; ZIP-kinase; ZIPK; zipper-interacting protein kinase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human ZIP Kinase around the phosphorylation site of Thr265:RM(p-T)IA
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:
O43293

Gene ID:
1613

Database links:

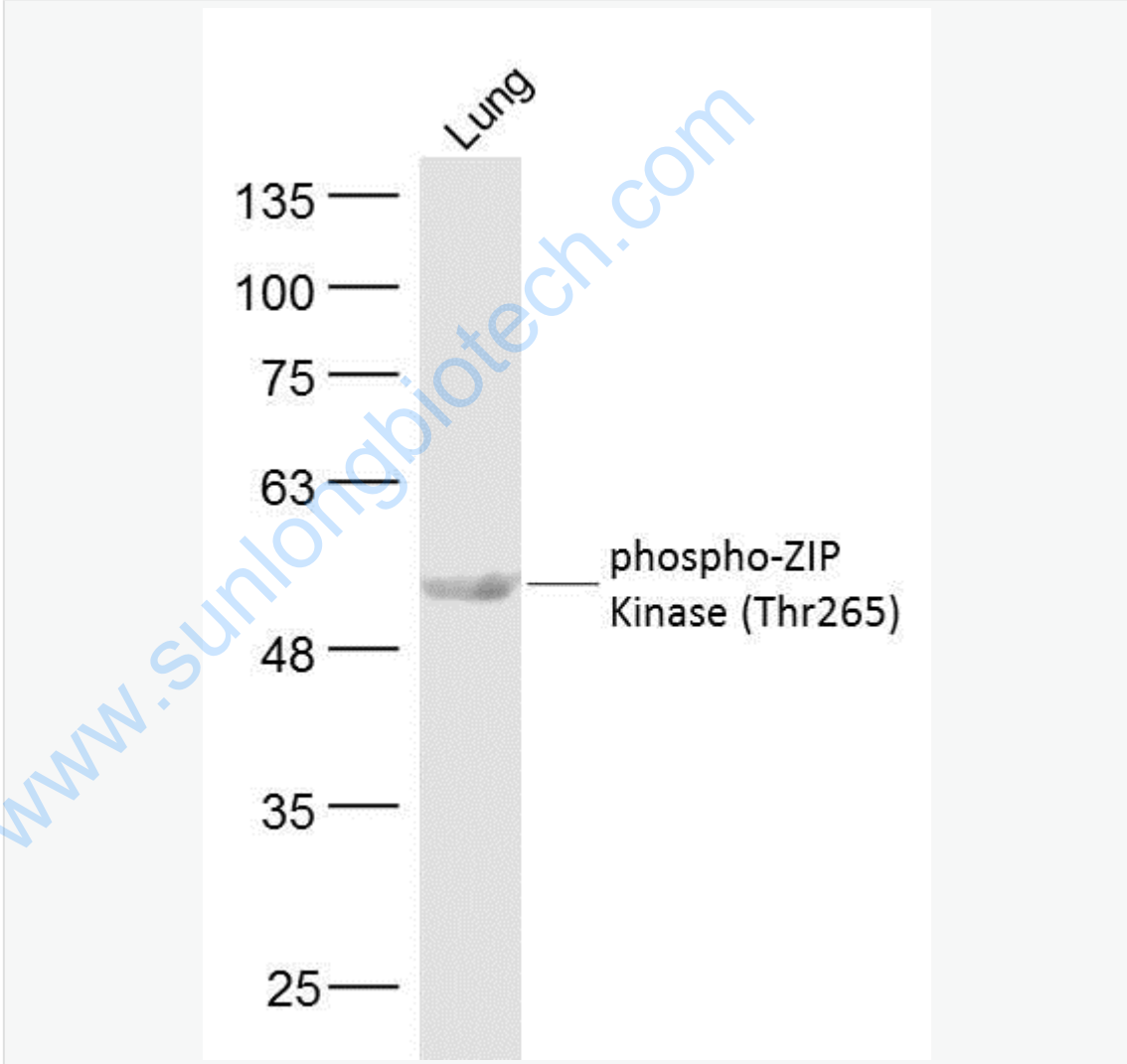
Entrez Gene: 1613 Human

Entrez Gene: 13144 Mouse

Omim: 603289 Human

SwissProt: O43293 Human

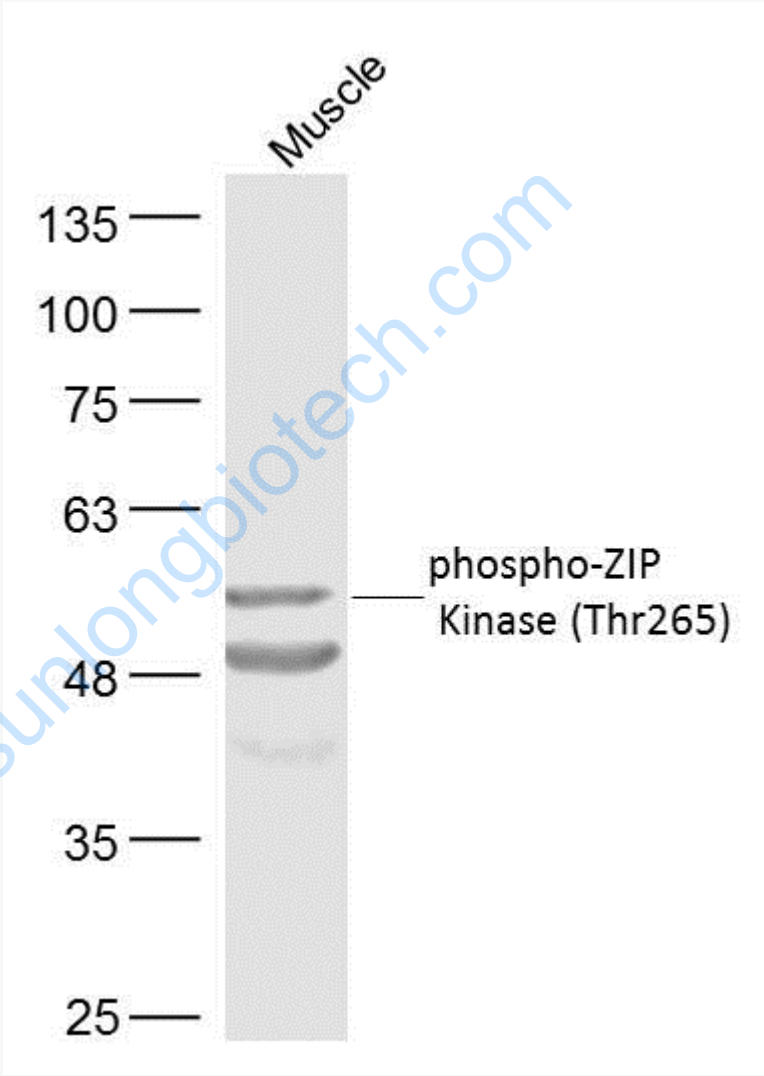
SwissProt: O54784 Mouse

	Unigene: 631844 Human Unigene: 10294 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 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:

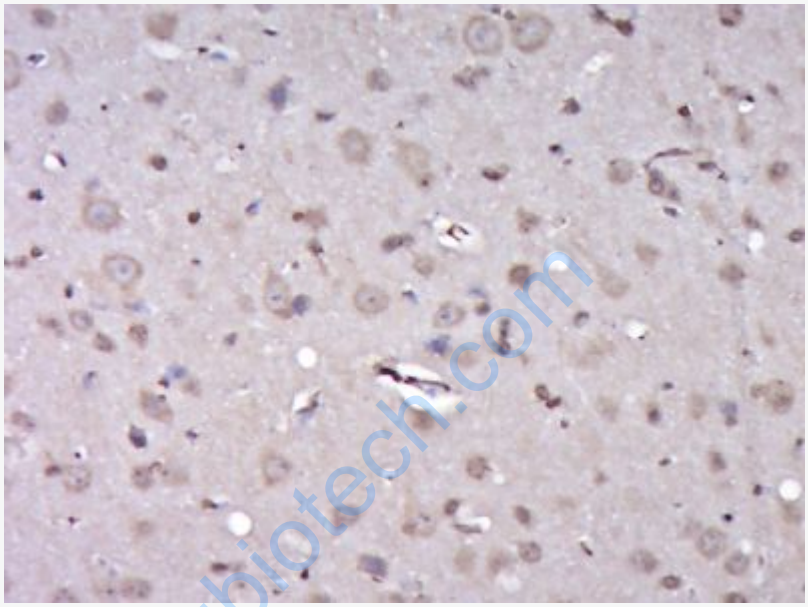
Muscle (Mouse) Lysate at 40 ug

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



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.