



SIK (Phospho-Thr182) rabbit pAb

Catalog No	YP-Ab-10459
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	SIK1 SIK SNF1LK
Immunogen	Synthesized peptide derived from human SIK (Phospho-Thr182)
Specificity	This antibody detects endogenous levels of SIK (Phospho-Thr182) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.112% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KID2;MSK;myocardial SNF1 like kinase;QIK;Qin-induced kinase;Salt inducible kinase 1;Salt-inducible protein kinase 1;Serine threonine protein kinase SNF1 like kinase 1;Serine threonine protein kinase SNF1LK;Serine/threonine-protein kinase SIK1;Serine/threonine-protein kinase SNF1-like kinase 1;Serine/threonine-protein kinase SNF1LK;SIK-1;SIK1;SIK1_HUMAN;SNF1 like kinase;QIK/QSK;SIK1 SIK SNF1LK;SIK (Phospho-Thr182);Serine/threonine-protein kinase SIK1 (EC 2.7.11.1) (Salt-inducible kinase 1) (SIK-1) (Serine/threonine-protein kinase SNF1-like kinase 1) (Serine/threonine-protein kinase SNF1LK)
Observed Band	
Calculated Molecular Weight	86kD
Cell Pathway	Cytoplasm . Nucleus . Locates to cytoplasm when inactive following cAMP-induced phosphorylation, probably by PKA (PubMed:29211348).
Tissue Specificity	Fetal lung,Spleen,Testis,
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-182 by STK11 in complex with STE20-related adapter-alpha (STRAD alpha) pseudo kinase and CAB39.,function:Transient role during the earliest stages of



myocardial cell differentiation and/or primitive chamber formation and may also be important for the earliest stages of skeletal muscle growth and/or differentiation. Potential role in G2/M cell cycle regulation. Inhibits CREB activity by phosphorylating and repressing the CREB-specific coactivators, CRTC1-3., PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily.,similarity:Contains 1 protein kinase domain., similarity:Contains 1 UBA domain.,subcellular location:Translocates to the cytoplasm on phosp

Background

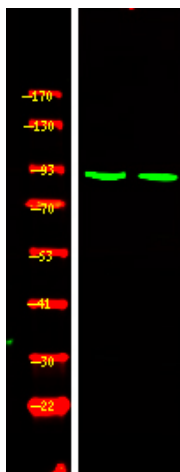
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 1 MCF-7 cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000