



SIK (Phospho-Thr182) mouse mAb

Catalog No	BYmab-10459
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	SIK1 SIK SNF1LK
Protein Name	SIK (Phospho-Thr182)
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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	
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

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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

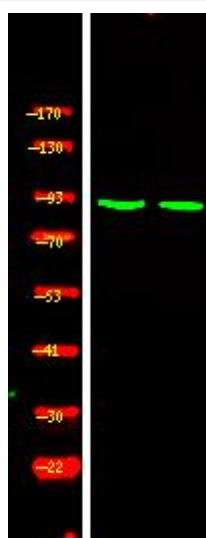
matters needing attention

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 various cells using SIK (Phospho-Thr182) mouse mAb