

## SIK1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14227
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SIK. AA range:148-197
<b>Mol wt</b>	84902
<b>Species reactivity</b>	Human, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Serine/threonine-protein kinase SIK1
<b>Synonyms</b>	Serine/threonine-protein kinase SIK1; SIK1; SIK; SNF1LK; Serine/threonine-protein kinase SIK1; Salt-inducible kinase 1; SIK-1; Serine/threonine-protein kinase SNF1-like kinase 1; Serine/threonine-protein kinase SNF1LK

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.,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.,Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily.,Contains 1 protein kinase domain.,Contains 1 UBA domain.,subcellular location:Translocates to the cytoplasm on phosphorylation where it binds binding to YWHAZ.,subunit:Binds to and is activated by YWHAZ when phosphorylated on Thr-182.,

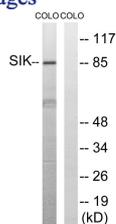
### Recommended Dilution

WB: 1: 500 - 1: 2000

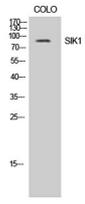
ELISA: 1: 40000

Not yet tested in other applications.

### Images



Western Blot analysis of COLO cells using SIK1 Polyclonal Antibody



Western blot analysis of lysates from COLO205 cells, treated with PMA 125ng/ml 30', using SIK Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for 1 year

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