

Datasheet for ABIN6991528
anti-SIK2 antibody (AA 270-320)



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Overview

Quantity:	0.1 mg
Target:	SIK2
Binding Specificity:	AA 270-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	SIK2 antibody was raised against a 16 amino acid synthetic peptide near the center of human SIK2. The immunogen is located within amino acids 270 - 320 of SIK2.
Isotype:	IgG
Specificity:	SIK2 antibody is predicted to not cross-react with other SIK protein family members.
Purification:	SIK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SIK2
Alternative Name:	SIK2 (SIK2 Products)
Background:	SIK2 Antibody: Salt-inducible kinase 2 (SIK2), like its closely related homolog SIK1, belongs

Target Details

AMPK subfamily of the Ser/Thr protein kinase family and negatively regulates CRE-binding protein (CREB) activity by phosphorylating the CREB-specific coactivator transducer of regulated CREB activity (TORC). SIK2 is thought to be part of a signaling cascade that regulates the expression and activity of the insulin-induced genes PGC-1 alpha and UCP-1 in brown adipocytes, impairment of which has been implicated in obesity and insulin resistance in human and animal models. SIK2 has also been reported as a key regulator for neuronal survival after ischemia, suppressing CREB-mediated gene expression after oxygen-glucose deprivation.

Gene ID: 23235

UniProt: [Q9H0K1](#)

Application Details

Application Notes: SIK2 antibody can be used for detection of SIK2 by Western blot at 1 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SIK2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: SIK2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.