

Datasheet for ABIN783466
anti-SIK2 antibody (Center)



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1 Image

Overview

Quantity:	0.1 mg
Target:	SIK2
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIK2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid peptide near the center of human SIK2
Specificity:	This antibody detects SIK2 at Center. SIK2 antibody is predicted to not cross-react with other SIK protein family members.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

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

Target Details

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 α 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. Synonyms: QIK, Qin-induced kinase, SIK-2, SNF1LK2, Salt-inducible protein kinase 2, Serine/threonine-protein kinase SIK2, Serine/threonine-protein kinase SNF1-like kinase 2

Gene ID: 23235

NCBI Accession: [NP_056006](#)

UniProt: [Q9H0K1](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

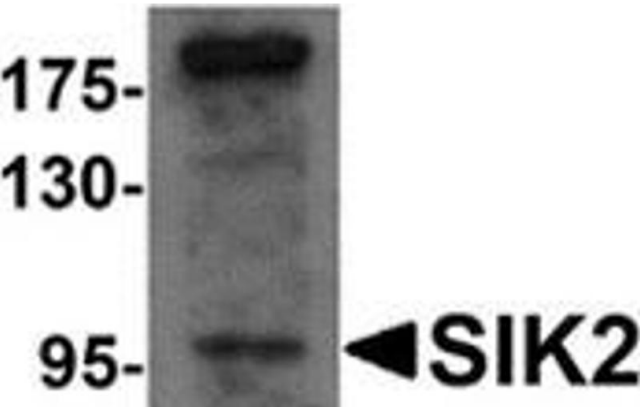
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of SIK2 in SW480 cell lysate with SIK2 antibody at 1 µg/ml.