
SIK2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254466

Unit: 0.1 mg

Description:

Salt-inducible kinase 2 (SIK2), like its closely related homolog SIK1, belongs 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 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.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Salt-inducible protein kinase 2; Serine/threonine-protein kinase SNF1-like kinase 2; SNF1LK2; QIK; LOH11CR1

Accession No.: EAW67148

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human SIK2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.