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SIK1 (M) Antibody, Rabbit Polyclonal

Cat#: R3324-1

Quantity: 100 ul

Predicted | Observed M.W.: 85 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P57059

Background:

Salt-inducible kinase 1 (SIK1) is a serine/threonine-protein kinase involved in various processes such as cell cycle regulation, gluconeogenesis and lipogenesis regulation, muscle growth and differentiation and tumor suppression. SIK1 phosphorylates HDAC4, HDAC5, PPME1, SREBF1, TORC1/CRTC1 and TORC2/CRTC2. SIK1 acts as a tumor suppressor and plays a key role in p53/TP53-dependent anoikis, a type of apoptosis triggered by cell detachment: it is required for the phosphorylation of p53/TP53 in response to loss of adhesion and is able to suppress metastasis. SIK1 is also part of a sodium-sensing signaling network, probably by mediating phosphorylation of PPME1.

Other Names:

Serine/threonine-protein kinase SIK1, Salt-inducible kinase 1, SIK-1, Serine/threonine-protein kinase SNF1-like kinase 1, Serine/threonine-protein kinase SNF1LK, SIK, SNF1LK

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing middle region of human SIK1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

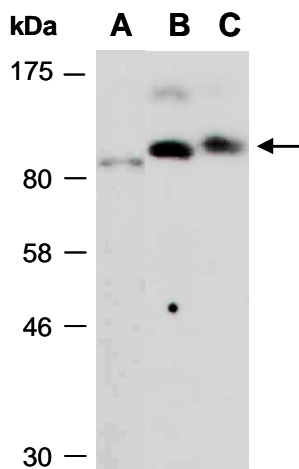


Fig 1. Western blot of total cell extracts from A) mouse thymus, B) human HeLa, C) human Jurkat; using anti-SIK1 (M) (R3324-1) at RT for 2 h.