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Anti-SIK1 Antibody

Catalog Number: A04399

About SIK1

Salt-inducible kinase 1 (SIK1), also known as SNF1LK or MSK, plays a role in histone modification and G2/M cell cycle regulation. It is a 783 amino acid protein that contains one UBA domain and belongs to the Ser/Thr protein kinase family (AMPK subfamily). Localized to both the nucleus and the cytoplasm, SIK1 is a class II HDAC kinase that uses magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins and is thought to be important for the early stages of skeletal muscle growth and myocardial cell differentiation.

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Overview

Product Name	Anti-SIK1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-SIK1 Antibody (Catalog # A04399). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	SIK1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	SIK1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P57059

Technical Details

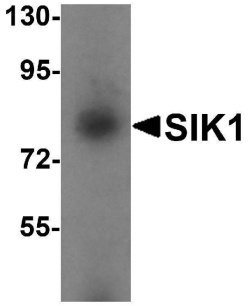
Immunogen	SIK1 antibody was raised against an 18 amino acid synthetic peptide near the center of human SIK1. The immunogen is located within amino acids 340 - 390 of SIK1.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	Two isoforms of SIK1 are known to exist; this antibody will detect both isoforms. SIK1 antibody is predicted to not cross-react with other SIK protein family members.

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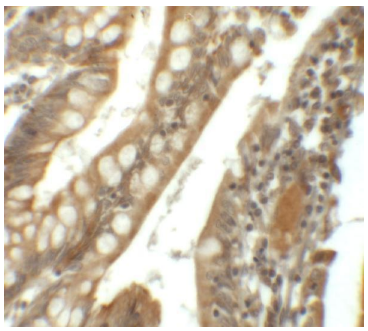
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SIK1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SIK1 antibody can be used for detection of SIK1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-SIK1 Antibody (A04399) Images



Western blot analysis of SIK1 in human small intestine tissue lysate with SIK1 antibody at 1 ug/mL.



Immunohistochemistry of SIK1 in human small intestine tissue with SIK1 antibody at 5 ug/mL.

Anti-SIK1 Antibody

For Research Use Only. Not for use in diagnostic procedures.