BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SIK3 Antibody

Catalog Number: A05580-1

About SIK3

Salt-inducible kinase family (SIKs) proteins are thought to have a role in steroidogenesis, adipogenesis or regulation of tumor malignancy. Three members (SIK1, SIK2 and SIK3) in the SIK family have been identified thus far. Their kinase domain sequences are closely homologous to those of AMP-activated protein kinase (AMPK). SIK3 can be phosphorylated by a tumor-suppressor kinase LKB1. It is highly and preferentially expressed in ovarian tumors but not in adenomyosis and leiomyoma and may be a potential diagnostic marker for ovarian cancers.

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Overview

Product Name	Anti-SIK3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SIK3 Antibody (Catalog # A05580-1). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	SIK3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	SIK3 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	Chicken
Uniprot ID	Q9Y2K2

Technical Details

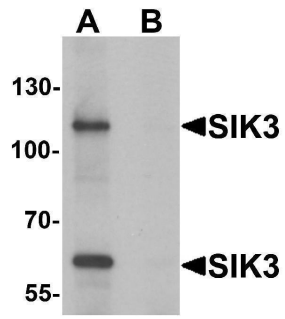
Immunogen	SIK3 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SIK3. The immunogen is located within amino acids 1190 - 1240 of SIK3.
Cross Reactivity	At least three isoforms of SIK3 are known to exist; this antibody will detect two isoforms. SIK3 antibody is predicted to not cross-react with SIK1 and SIK2.
Isotype	IgY

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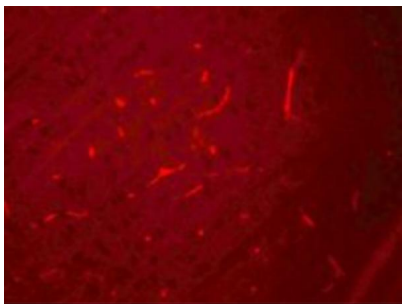
Form	Liquid
Concentration	1 mg/mL
Purification	SIK3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SIK3 antibody can be used for detection of SIK3 by Western blot at 1 ug/mL. Antibody can also be used for immunofluorescence starting at 20 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples and Immunofluorescence in rat 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-SIK3 Antibody (A05580-1) Images



Western blot analysis of SIK3 in rat brain tissue lysate with SIK3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of SIK3 in rat brain cells with SIK3 antibody at 20 ug/mL.

Anti-SIK3 Antibody

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