

Datasheet for 200-901-EK6**SIK3 Antibody****Overview**

Description:	Anti-SIK3 (CHICKEN) Antibody - 200-901-EK6
Item No.:	200-901-EK6
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	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.
Synonyms:	SIK3 Antibody, L19, QSK, SIK-3, KIAA0999, L19, Salt-inducible kinase 3
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	SIK3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SIK3 antibody was prepared from chicken egg fractions produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human SIK3.

Purity/Specificity: Anti-SIK3 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. 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.

Relevant Links:

- [UniProtKB - Q9Y2K2](#)
- [GeneID - 23387](#)
- [NCBI - NP_079440](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-SIK3 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 140 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

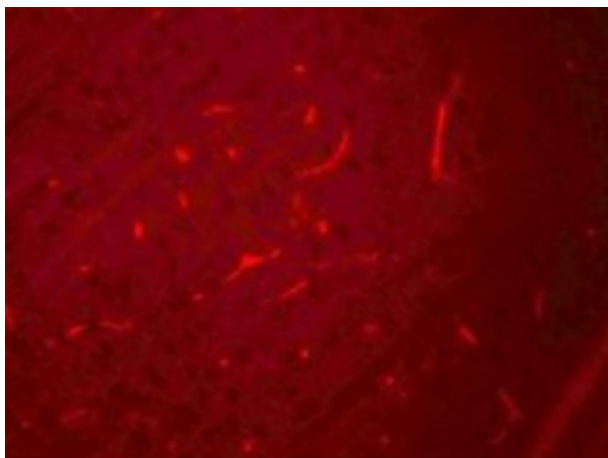
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

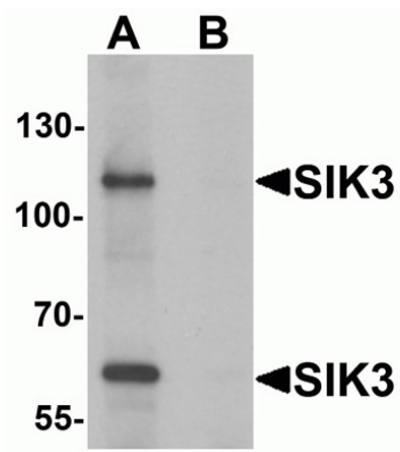


Immunofluorescence Microscopy

Immunofluorescence of SIK3.

Tissue: rat brain cells.

Primary Antibody: SIK3 antibody at 20 µg/mL.



Western Blot

Western blot analysis of SIK3.

Load: rat brain tissue lysate.

Primary Antibody: SIK3 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.