

Datasheet for 600-401-EK4**SIK1 Antibody****Overview**

Description:	Anti-SIK1 (RABBIT) Antibody - 600-401-EK4
Item No.:	600-401-EK4
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	SIK1 Antibody, MSK, SIK, SNF1LK, Salt-inducible kinase 1, SIK-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SIK1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SIK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human SIK1.

Purity/Specificity:	Anti-SIK1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
Relevant Links:	• UniProtKB - P57059 • GeneID - 150094 • NCBI - NP_775490

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-SIK1 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 85 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
IHC:	5 µg/mL
WB:	1 µg/mL

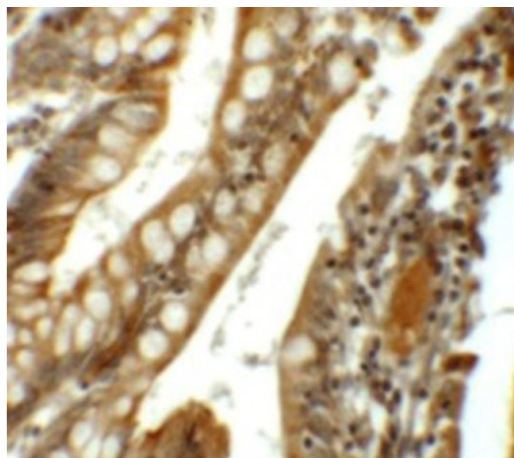
Formulation

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

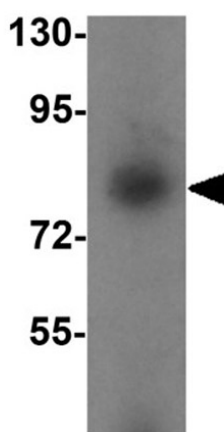


Immunohistochemistry

Immunohistochemistry of SIK1.

Tissue: human small intestine tissue.

Primary Antibody: SIK1 antibody at 5 µg/mL.



Western Blot

Western blot analysis of SIK1.

Tissue: human small intestine tissue lysate.

Primary Antibody: SIK1 antibody at 1 µg/mL.

Disclaimer

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