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Product datasheet for TA351732

Snf1lk (SIK1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: HT-29 and hela cells, mouse liver tissue, A549 and Jurkat cells IHC: 25-100 Positive control: Human cervical cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human SIK1
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	85 kDa
Gene Name:	salt inducible kinase 1
Database Link:	NP_775490 Entrez Gene 17691 MouseEntrez Gene 59329 RatEntrez Gene 150094 Human P57059

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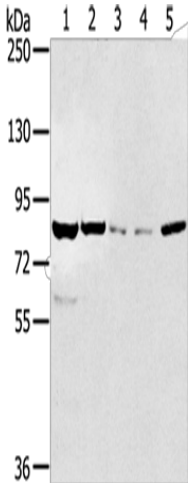
Background: SIK1 (salt-inducible kinase 1), also known as SNF1LK or MSK, is a 783 amino acid protein that contains one UBA domain and one protein kinase domain and belongs to the Ser/Thr protein kinase family. Localized to both the nucleus and the cytoplasm, SIK1 uses magnesium as a cofactor to catalyze 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. Additionally, SIK1 has a potential role in regulation of the G2/M cell cycle transition, as well as in inhibitory control of CREB protein function.

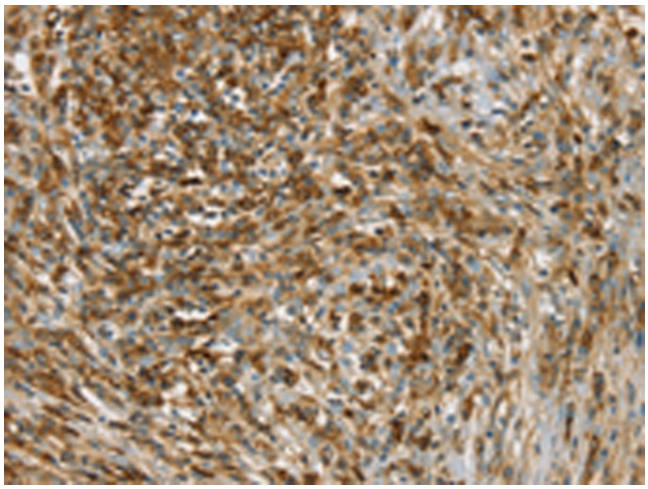
Synonyms: MSK; SIK; SNF1LK

Protein Families: Druggable Genome, Protein Kinase

Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-5: HT29 cells
hela cells
mouse liver tissue
A549 cells
Jurkat cells
Primary antibody: TA351732 (SIK1 Antibody) at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA351732 (SIK1 Antibody) at dilution 1/40 (Original magnification: ×200)

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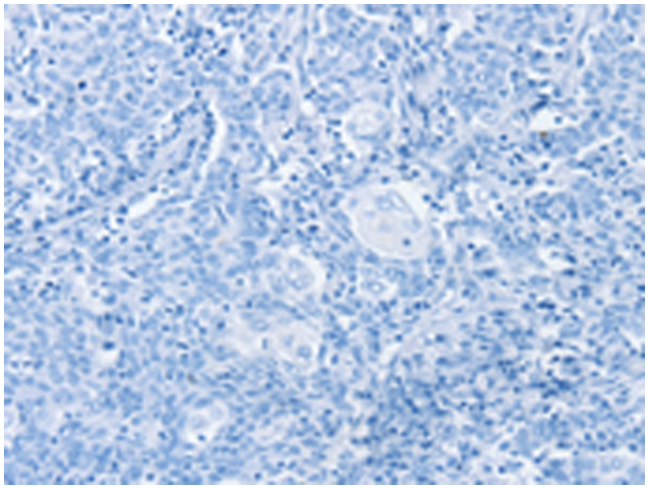

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA351732 (SIK1 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)

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