

Allgemeine Informationen

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| Katalog-Nr.: 51045-1-AP | GenBank-Zugangsnummer: BC038504 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul, Konzentration: 1000 µg/ml von 150094 Nanodrop; | GeneID (NCBI): 150094 | Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500 |
| Wirt: Kaninchen | Vollständiger Name: salt-inducible kinase 1 | |
| Isotyp: IgG | Berechnete Masse: 783 aa, 85 kDa | |
| Immunogen Katalognummer: AG3913 | Beobachtete Masse: 85 kDa | |

Anwendungen

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| Geprüfte Anwendungen: IF, IHC, WB, ELISA | Positivkontrollen: WB: A549-Zellen, Jurkat-Zellen |
| In Publikationen genannte Anwendungen: IF, IHC, WB | IHC: humanes Lebergewebe, humanes Lungenkarzinomgewebe |
| Getestete Reaktivität: Human, Maus, Ratte | IF: MCF-7-Zellen, |
| Zitierte Arten: Human, Maus, Ratte | |

Hinweis-IHC: Antigenemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

SIK1 (Salt-inducible kinase 1) is also named as SIK, SNF1LK and belongs to the CAMK Ser/Thr protein kinase family. It associates constitutively with the NK regulatory complex and is responsible for increases in its catalytic activity following small elevations in intracellular sodium concentrations (PMID:17939993). SIK1 is required for phosphorylation of class II HDACs and for expression of MEF2 target genes in myocytes (PMID:17468767). Defects in SIK1 may be associated with some cancers, such as breast cancers. Loss of SIK1 correlates with poor patient outcome in breast cancers (PMID:19622832).

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|-----------------------|-----------|-----------------------------|-----------|
| Chang Wang | 33013689 | Front Endocrinol (Lausanne) | WB, IF |
| Jiangqin Pu | 36276742 | Heliyon | WB, IF |
| Maria Stella Lombardi | 26590148 | J Leukoc Biol | WB |

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

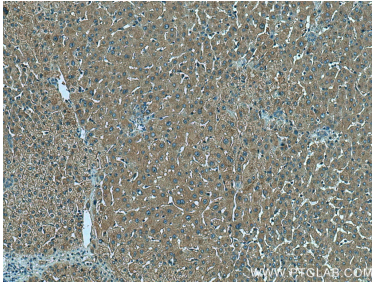
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

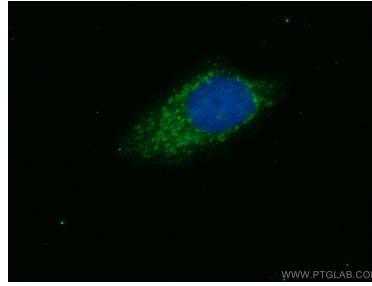
E: proteintech@ptglab.com
W: ptglab.com

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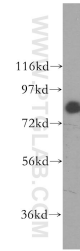
Ausgewählte Validierungsdaten



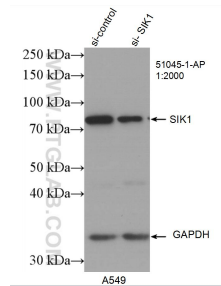
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 51045-1-AP (SIK1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using SIK1 antibody (51045-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



A549 cells were subjected to SDS PAGE followed by western blot with 51045-1-AP (SIK1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



WB result of SIK1 antibody (51045-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SIK1 transfected A549 cells.