

SIK2 / SNF1LK2 Antibody (clone S15G10)
Mouse Monoclonal Antibody
Catalog # ALS12002**Specification**

SIK2 / SNF1LK2 Antibody (clone S15G10) - Product Information

Application	WB, IHC-P, IF, ICC, IP
Primary Accession	Q9H0K1
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	104kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A IP~~N/A

SIK2 / SNF1LK2 Antibody (clone S15G10) - Additional Information**Gene ID** 23235**Other Names**

Serine/threonine-protein kinase SIK2, 2.7.11.1, Qin-induced kinase, Salt-inducible kinase 2, SIK-2, Serine/threonine-protein kinase SNF1-like kinase 2, SIK2

Target/Specificity

Recombinant human SIK2

Reconstitution & Storage

Store at 4°C. Do not freeze.

Precautions

SIK2 / SNF1LK2 Antibody (clone S15G10) is for research use only and not for use in diagnostic or therapeutic procedures.

SIK2 / SNF1LK2 Antibody (clone S15G10) - Protein Information**Name** SIK2**Synonyms** KIAA0781 {ECO:0000312|EMBL:BAA34501.3},**Function**

Serine/threonine-protein kinase that plays a role in many biological processes such as fatty acid oxidation, autophagy, immune response or glucose metabolism (PubMed:23322770, PubMed:26983400). Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the

efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators (PubMed:15454081). Phosphorylates EP300 and thus inhibits its histone acetyltransferase activity (PubMed:21084751, PubMed:26983400). In turn, regulates the DNA-binding ability of several transcription factors such as PPARA or MLXIPL (PubMed:21084751, PubMed:26983400). Also plays a role in thymic T-cell development (By similarity).

Cellular Location

Cytoplasm. Endoplasmic reticulum membrane

Volume

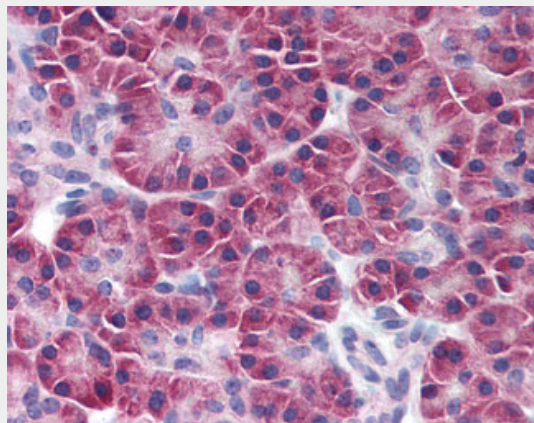
50 µl

SIK2 / SNF1LK2 Antibody (clone S15G10) - Protocols

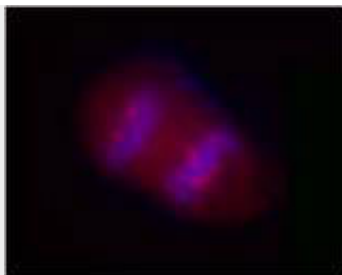
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

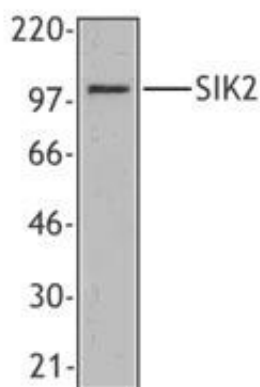
SIK2 / SNF1LK2 Antibody (clone S15G10) - Images



Anti-SIK2 / SNF1LK2 antibody IHC of human pancreas.



Overnight nocodazole treated HeLa cells stained with purified mouse monoclonal antibody against...



Western blot of extracts from HeLa cells, using anti-SIK2, clone S15G10.

SIK2 / SNF1LK2 Antibody (clone S15G10) - Background

Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.

SIK2 / SNF1LK2 Antibody (clone S15G10) - References

Lizcano J.M.,et al.EMBO J. 23:833-843(2004).
Nagase T.,et al.DNA Res. 5:277-286(1998).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).