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SIK2 / SNF1LK2 Antibody (Internal)

Rabbit Polyclonal Antibody

Catalog # ALS14823

Specification

SIK2 / SNF1LK2 Antibody (Internal) - Product Information

Application	**ICC, IF, IHC**
Primary Accession	Q9H0K1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**104kDa KDa**

SIK2 / SNF1LK2 Antibody (Internal) - 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
Human SIK2 / SNF1LK2. SIK2 antibody is predicted to not cross-react with other SIK protein family members.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

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

SIK2 / SNF1LK2 Antibody (Internal) - 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:<a

href="http://www.uniprot.org/citations/21084751" target="_blank">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

SIK2 / SNF1LK2 Antibody (Internal) - Protocols

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

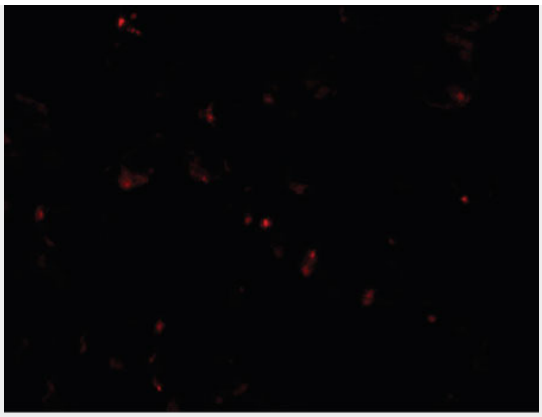
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SIK2 / SNF1LK2 Antibody (Internal) - Images

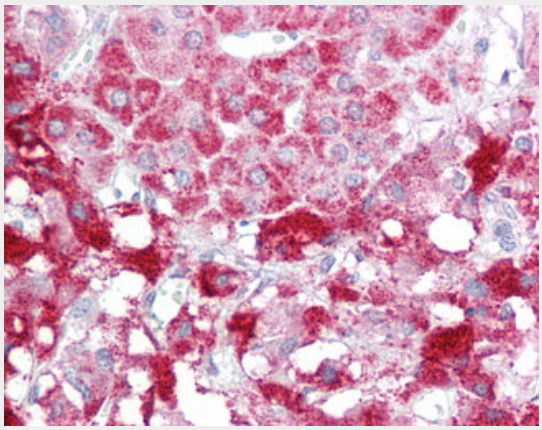


Immunocytochemistry of SIK2 in SW480 cells with SIK2 antibody at 2.5 ug/ml.

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Immunofluorescence of SIK2 in SW480 cells with SIK2 antibody at 5 ug/ml.



Anti-SIK2 / SNF1LK2 antibody IHC of human adrenal.

SIK2 / SNF1LK2 Antibody (Internal) - 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 (Internal) - 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).