

**SNF1LK2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58555****Specification****SNF1LK2 Polyclonal Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9H0K1</a>
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SNF1LK2/SIK2 281-380/926
Epitope Specificity	281-380/926
Isotype	IgG
<b>Purity</b>	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm
SIMILARITY	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily. Contains 1 protein kinase domain. Contains 1 UBA domain. Interacts with and phosphorylates TORC2/CRTC2.
SUBUNIT	
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

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.

**SNF1LK2 Polyclonal Antibody - 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, KIAA0781 {ECO:0000312|EMBL:BAA34501.3}, QIK, SNF1LK2

**Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br /><span class ="dilution\_E">E~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SNF1LK2 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/23322770" target="\_blank">23322770</a>, PubMed:<a href="http://www.uniprot.org/citations/26983400" target="\_blank">26983400</a>). 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:<a href="http://www.uniprot.org/citations/15454081" target="\_blank">15454081</a>). Phosphorylates EP300 and thus inhibits its histone acetyltransferase activity (PubMed:<a href="http://www.uniprot.org/citations/21084751" target="\_blank">21084751</a>, PubMed:<a href="http://www.uniprot.org/citations/26983400" target="\_blank">26983400</a>). In turn, regulates the DNA-binding ability of several transcription factors such as PPARA or MLXIPL (PubMed:<a href="http://www.uniprot.org/citations/21084751" target="\_blank">21084751</a>, PubMed:<a href="http://www.uniprot.org/citations/26983400" target="\_blank">26983400</a>). Also plays a role in thymic T-cell development (By similarity).

**Cellular Location**

Cytoplasm. Endoplasmic reticulum membrane

**SNF1LK2 Polyclonal Antibody - 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](#)

**SNF1LK2 Polyclonal Antibody - Images**