

QSK Polyclonal Antibody
Catalog # AP72101**Specification**

QSK Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q9Y2K2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

QSK Polyclonal Antibody - Additional Information**Gene ID** 23387**Other Names**

SIK3; KIAA0999; QSK; L19; Serine/threonine-protein kinase SIK3; Salt-inducible kinase 3; SIK-3; Serine/threonine-protein kinase QSK

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

QSK Polyclonal Antibody - Protein Information**Name** SIK3 ([HGNC:29165](#))**Function**

Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor. Involved in the dynamic regulation of mTOR signaling in chondrocyte differentiation during skeletogenesis (PubMed:30232230). Negatively regulates cAMP signaling pathway possibly by acting on CRTC2/TORC2 and CRTC3/TORC3 (Probable). Prevents HDAC4 translocation to the nucleus (By similarity).

Cellular Location

Cytoplasm. Note=Locates to punctate structures within the cytoplasm on binding to YWHAZ.

Tissue Location

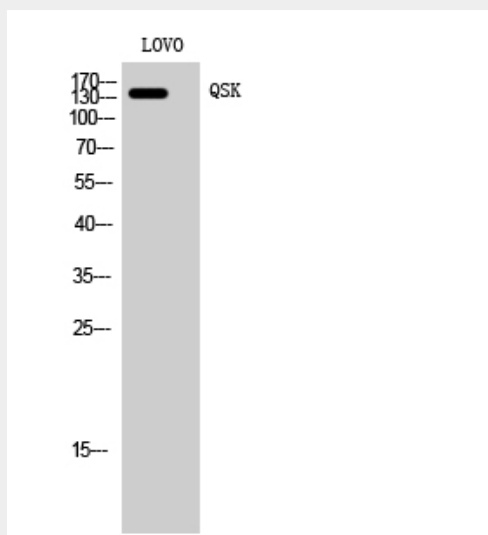
Expressed in chondrocytes.

QSK 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](#)

QSK Polyclonal Antibody - Images



Western Blot analysis of LOVO cells using QSK Polyclonal Antibody

QSK Polyclonal Antibody - Background

Inhibits CREB activity by phosphorylating and inhibiting activity of TORCs, the CREB-specific coactivators, like CRTC2/TORC2 and CRTC3/TORC3 in response to cAMP signaling.