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QSK Polyclonal Antibody

Catalog # AP72101

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9Y2K2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	144851

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 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

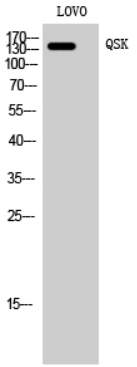
Name	SIK3 (HGNC:29165)
Function	Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor. Involved in the dynamic regulation of mTOR signaling in chondrocyte differentiation during skeletogenesis (PubMed:30232230). Negatively regulates cAMP signaling 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.

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.

Images



Western Blot analysis of LOVO cells using QSK Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.