

# QSK Polyclonal Antibody

Catalog # AP72101

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC-P              |
| <b>Primary Accession</b> | <a href="#">Q9Y2K2</a> |
| <b>Reactivity</b>        | Human, Mouse           |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Calculated MW</b>     | 144851                 |

## Additional Information

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|---------------------------|---|
| <b>Gene ID</b>            | 23387   |
| <b>Other Names</b>        | SIK3; KIAA0999; QSK; L19; Serine/threonine-protein kinase SIK3; Salt-inducible kinase 3; SIK-3; Serine/threonine-protein kinase QSK     |
| <b>Dilution</b>           | 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 |
| <b>Format</b>             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.   |
| <b>Storage Conditions</b> | -20°C   |

## Protein Information

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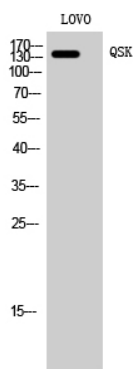
|                          |   |
|--------------------------|---|
| <b>Name</b>              | SIK3 ( <a href="#">HGNC:29165</a> )   |
| <b>Function</b>          | Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor. Involved in the dynamic regulation of mTOR signaling in chondrocyte differentiation during skeletogenesis (PubMed: <a href="#">30232230</a> ). Negatively regulates cAMP signaling pathway possibly by acting on CRTC2/TORC2 and CRTC3/TORC3 (Probable). Prevents HDAC4 translocation to the nucleus (By similarity). |
| <b>Cellular Location</b> | Cytoplasm. Note=Locates to punctate structures within the cytoplasm on binding to YWHAZ.  |
| <b>Tissue Location</b>   | Expressed in chondrocytes.  |

## Background

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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'.