

Anti-QSK Antibody
Rabbit polyclonal antibody to QSK
Catalog # AP60778**Specification**

Anti-QSK Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9Y2K2
Other Accession	Q6P4S6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	144851

Anti-QSK Antibody - Additional Information**Gene ID** 23387**Other Names**KIAA0999; QSK; Serine/threonine-protein kinase SIK3; Salt-inducible kinase 3; SIK-3;
Serine/threonine-protein kinase QSK**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human QSK. The exact sequence is proprietary.

DilutionWB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)
IHC~~1:100~500**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-QSK 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.

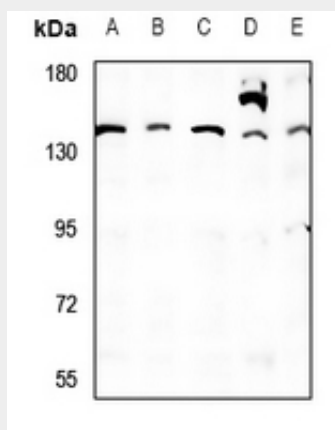
Tissue Location

Expressed in chondrocytes.

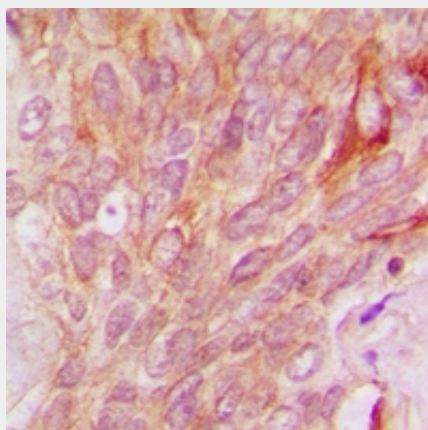
Anti-QSK Antibody - Protocols

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](#)

Anti-QSK Antibody - Images

Western blot analysis of QSK expression in LO2 (A), MCF7 (B), A549 (C), CT26 (D), PC12 (E) whole cell lysates.



Immunohistochemical analysis of QSK staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with

sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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