

Anti-QSK Antibody

Catalog # AP60778

Product Information

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

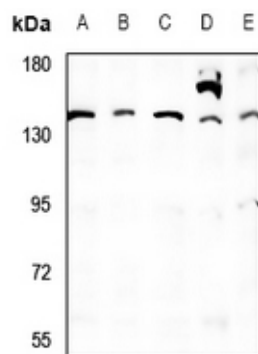
Additional Information

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.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

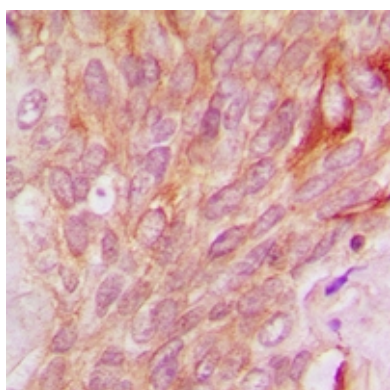
Protein Information

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.

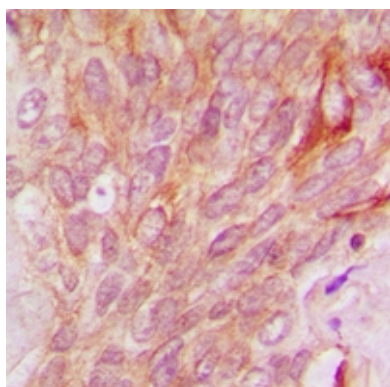
Images



Western blot analysis of QSK expression in LO2 (A), MCF7 (B), A549 (C), CT26 (D), PC12 (E) whole cell lysates. (Predicted band size: 144 kD; Observed band size: 140 kD)



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