

SIK3 / QSK Antibody (C-Terminus)
Chicken Polyclonal Antibody
Catalog # ALS16619**Specification**

SIK3 / QSK Antibody (C-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	Q9Y2K2
Other Accession	23387
Reactivity	Human, Mouse, Rat
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	144851

SIK3 / QSK Antibody (C-Terminus) - Additional Information**Gene ID** 23387**Other Names**

SIK3, KIAA0999, L19, QSK, Salt-inducible kinase 3, SIK-3, SIK family kinase 3

Target/Specificity

Human SIK3. At least three isoforms of SIK3 are known to exist; this antibody will detect two isoforms. SIK3 antibody is predicted to not cross-react with SIK1 and SIK2.

Reconstitution & Storage

PBS, 0.02% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SIK3 / QSK Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SIK3 / QSK Antibody (C-Terminus) - 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.

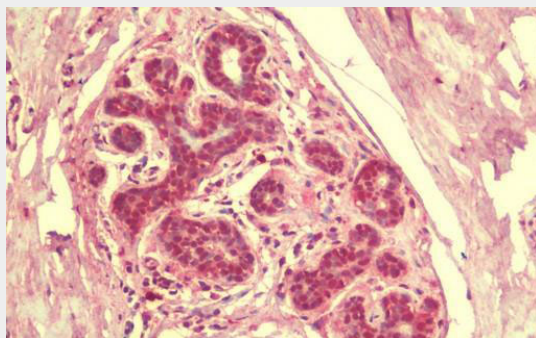
Tissue Location

Expressed in chondrocytes.

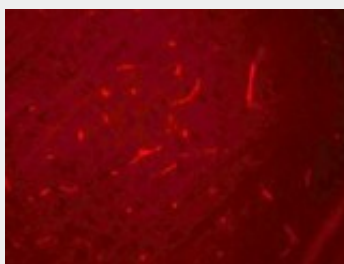
SIK3 / QSK Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

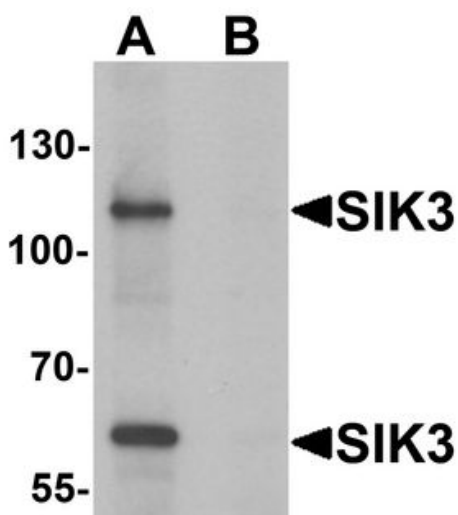
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SIK3 / QSK Antibody (C-Terminus) - Images

Anti-SIK3 / QSK antibody IHC staining of human breast.



Immunofluorescence of SIK3 in rat brain cells with SIK3 antibody at 20 µg/mL.



Western blot analysis of SIK3 in rat brain tissue lysate with SIK3 antibody at 1 ug/ml in (A)...

SIK3 / QSK Antibody (C-Terminus) - References

- Lizcano J.M.,et al.EMBO J. 23:833-843(2004).
- Nagase T.,et al.DNA Res. 6:63-70(1999).
- Nakajima D.,et al.DNA Res. 9:99-106(2002).
- Taylor T.D.,et al.Nature 440:497-500(2006).
- Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.