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

## Specification

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

| | |
|---|---|
| Application | **WB, IHC-P, IF, E** |
| Primary Accession | Q9Y2K2 |
| Other Accession | 23387 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Chicken** |
| Clonality | **Polyclonal** |
| Isotype | **IgY** |
| Calculated MW | **144851** |
| Dilution | **WB~~1:1000**<br>**IHC-P~~N/A**<br>**IF~~1:50~200**<br>**E~~N/A** |

### 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:<a href="http://www.uniprot.org/citations/30232230" target="_blank">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).

**Cellular Location**
Cytoplasm. Note=Locates to punctate structures within the cytoplasm on binding to YWHAZ.

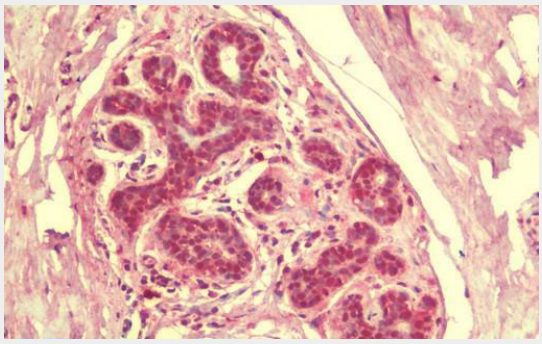
**Tissue Location**
Expressed in chondrocytes.

## SIK3 / QSK Antibody (C-Terminus) - Protocols

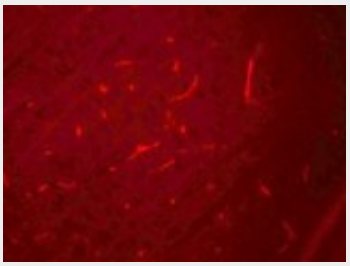
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.

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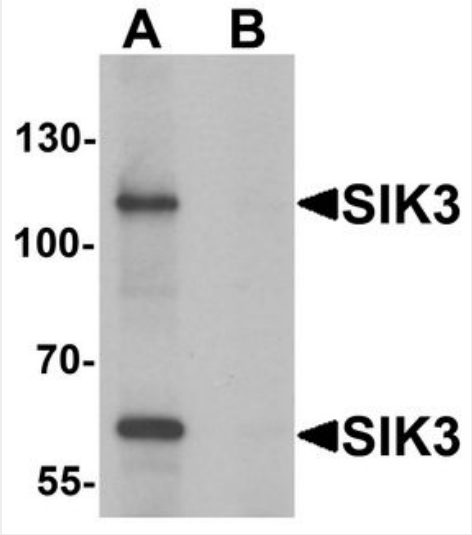


Western blot analysis of SIK3 in rat brain tissue lysate with SIK3 antibody at 1 ug/ml in (A)...

**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.