

KANK2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16757**Specification**

KANK2 Antibody (C-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	Q63ZY3
Other Accession	25959
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	91174

KANK2 Antibody (C-Terminus) - Additional Information**Gene ID** 25959**Other Names**

KANK2, Ankyrin repeat domain 25, KIAA1518, ANKRD25, SIP, SRC-1-interacting protein, SRC1-interacting protein, MXRA3, SRC-1 interacting protein

Target/Specificity

Two alternatively spliced transcript variants encoding different isoforms have been identified.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

KANK2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KANK2 Antibody (C-Terminus) - Protein Information**Name** KANK2**Synonyms** ANKRD25, KIAA1518, MXRA3, SIP**Function**

Involved in transcription regulation by sequestering in the cytoplasm nuclear receptor coactivators such as NCOA1, NCOA2 and NCOA3 (PubMed:17476305). Involved in regulation of caspase-independent apoptosis by sequestering the proapoptotic factor AIFM1 in mitochondria (PubMed:22371500). Pro-apoptotic stimuli can induce its proteasomal degradation allowing the translocation of AIFM1 to the nucleus to induce apoptosis (PubMed:22371500). Involved in

the negative control of vitamin D receptor signaling pathway (PubMed:24671081). Involved in actin stress fibers formation through its interaction with ARHGDIA and the regulation of the Rho signaling pathway (PubMed:17996375, PubMed:25961457). May thereby play a role in cell adhesion and migration, regulating for instance podocytes migration during development of the kidney (PubMed:25961457). Through the Rho signaling pathway may also regulate cell proliferation (By similarity).

Cellular Location

Cytoplasm. Mitochondrion

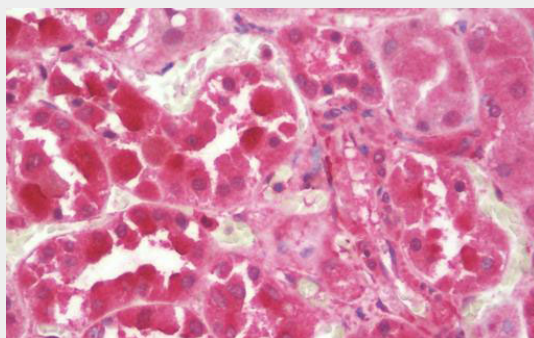
Tissue Location

Strongly expressed in cervix, colon, heart, kidney and lung. Expressed in kidney glomerular podocytes and mesangial cells (at protein level).

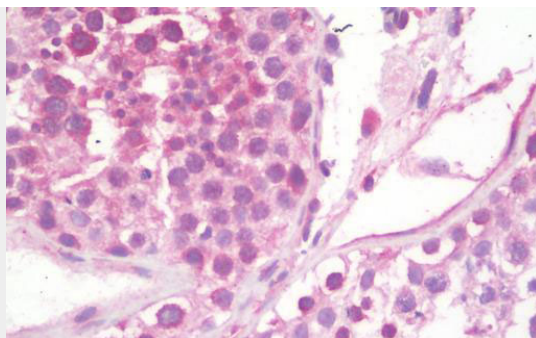
KANK2 Antibody (C-Terminus) - Protocols

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

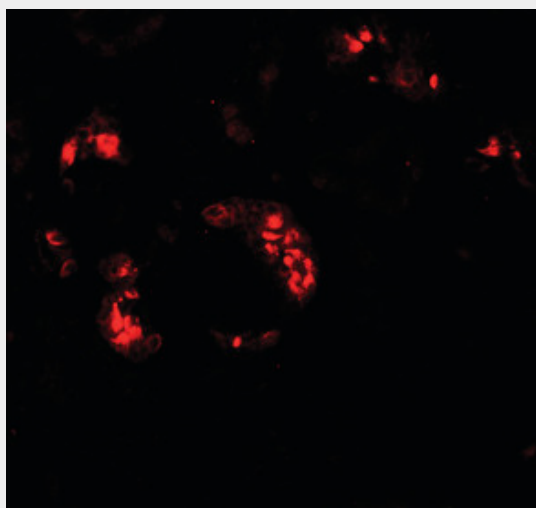
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KANK2 Antibody (C-Terminus) - Images

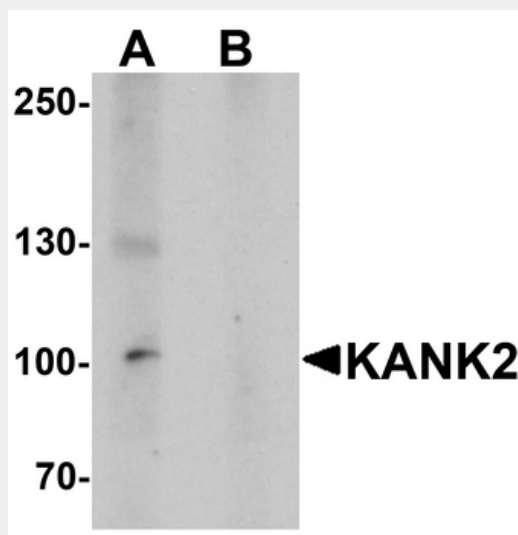
Anti-KANK2 antibody IHC staining of human kidney.



Anti-KANK2 antibody IHC staining of human testis.



Immunofluorescence of KANK2 in human kidney tissue with KANK2 antibody at 20 ug/ml.



Western blot analysis of KANK2 in mouse brain tissue lysate with KANK2 antibody at 1 ug/ml in...

KANK2 Antibody (C-Terminus) - Background

Involved in transcription regulation by sequestering nuclear receptor coactivators, such as NCOA1, NCOA2 and NCOA3, in the cytoplasm; the function is deregulated by phosphorylation. Involved in the negative control of vitamin D receptor signaling pathway (PubMed:24671081). May be involved in the control of cytoskeleton formation by regulating actin polymerization. Involved in regulation of caspase-independent apoptosis; proposed to sequester AIFM1 in mitochondria and apoptotic stimuli

lead to its proteasomal degradation allowing the release of AIFM1 to the nucleus (PubMed:22371500). May be involved in promotion of cell proliferation (By similarity).

KANK2 Antibody (C-Terminus) - References

Zhang Y.,et al.EMBO J. 26:2645-2657(2007).

Zhu Y.,et al.Submitted (NOV-2006) to the EMBL/GenBank/DDBJ databases.

Nagase T.,et al.DNA Res. 7:143-150(2000).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).