

**KANK2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16024c****Specification**

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**KANK2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q63ZY3](#)**KANK2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 25959**Other Names**

KN motif and ankyrin repeat domain-containing protein 2, Ankyrin repeat domain-containing protein 25, Matrix-remodeling-associated protein 3, SRC-1-interacting protein, SIP, SRC-interacting protein, SRC1-interacting protein, KANK2, ANKRD25, KIAA1518, MXRA3, SIP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**KANK2 Antibody (Center) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/17476305" target="\_blank">17476305</a>). Involved in regulation of caspase-independent apoptosis by sequestering the proapoptotic factor AIFM1 in mitochondria (PubMed:<a href="http://www.uniprot.org/citations/22371500" target="\_blank">22371500</a>). Pro-apoptotic stimuli can induce its proteasomal degradation allowing the translocation of AIFM1 to the nucleus to induce apoptosis (PubMed:<a href="http://www.uniprot.org/citations/22371500" target="\_blank">22371500</a>). Involved in the negative control of vitamin D receptor signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/24671081" target="\_blank">24671081</a>). Involved in actin stress fibers formation through its interaction with ARHGDIA and the regulation of the Rho signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/17996375" target="\_blank">17996375</a>, PubMed:<a href="http://www.uniprot.org/citations/25961457" target="\_blank">25961457</a>). May thereby play a role in cell adhesion and migration,

regulating for instance podocytes migration during development of the kidney (PubMed:<a href="http://www.uniprot.org/citations/25961457" target="\_blank">25961457</a>). 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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KANK2 Antibody (Center) Blocking Peptide - Images****KANK2 Antibody (Center) Blocking Peptide - Background**

ANKRD25 contains 5 ANK repeats. It is strongly expressed in cervix, colon, heart, kidney and lung.

**KANK2 Antibody (Center) Blocking Peptide - References**

Zhu, Y., et al. Biochim. Biophys. Acta 1780(2):128-133(2008)Zhang, Y., et al. EMBO J. 26(11):2645-2657(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Wistow, G., et al. Mol. Vis. 8, 205-220 (2002) :