10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KANK2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16024c

Specification

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: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 (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) :