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KANK2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16024c

Specification

KANK2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q63ZY3
Other Accession	NP_056308.3, NP_001129663.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**91174**
Antigen Region	**465-493**

KANK2 Antibody (Center) - Additional Information

Gene ID 25959

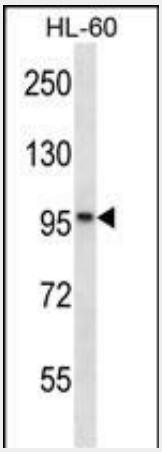
Other Names
KN motif and ankyrin repeat domain-containing protein 2, Ankyrin repeat domain-containing protein 25, Matrix-remodeling-associated protein 3, SRC-1-interacting protein, SIP, SRC-interacting protein, SRC1-interacting protein, KANK2, ANKRD25, KIAA1518, MXRA3, SIP

Target/Specificity
This KANK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 465-493 amino acids from the Central region of human KANK2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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



KANK2 Antibody (Center) (Cat. #AP16024c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the KANK2 antibody detected the KANK2 protein (arrow).

KANK2 Antibody (Center) - Background

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

KANK2 Antibody (Center) - 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) :

in small aliquots to prevent freeze-thaw cycles.

Precautions
KANK2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KANK2 Antibody (Center) - 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) - 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