

**KANK2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16024c****Specification**

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**KANK2 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q63ZY3</a>
Other Accession	<a href="#">NP_056308.3</a> , <a href="#">NP_001129663.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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 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**

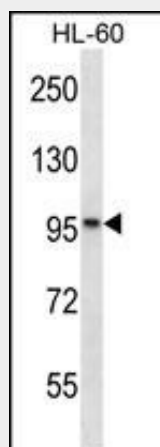
Strongly expressed in cervix, colon, heart, kidney and lung. Expressed in kidney glomerular podocytes and mesangial cells (at protein level).

**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 Cytometry](#)
- [Cell Culture](#)

**KANK2 Antibody (Center) - Images**



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) :