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

KANK3 Antibody
Catalog # ASC11648

Specification

KANK3 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q6NY19
Other Accession	NP_940873, 157504499
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 90 kDa** **Observed: 100 kDa KDa**
Application Notes	**KANK3 Antibody can be used for detection of KANK3 by Western blot starting at 1 µg/mL.**

KANK3 Antibody - Additional Information

Gene ID **256949**

Target/Specificity
KANK3; Two alternatively spliced transcript variants encoding different isoforms have been identified.

Reconstitution & Storage
KANK3 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
KANK3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KANK3 Antibody - Protein Information

Name KANK3 (HGNC:24796)

Synonyms ANKRD47

Function
May be involved in the control of cytoskeleton formation by regulating actin polymerization.

Tissue Location
Strongly expressed in breast, liver, lung, skeletal muscle and kidney.

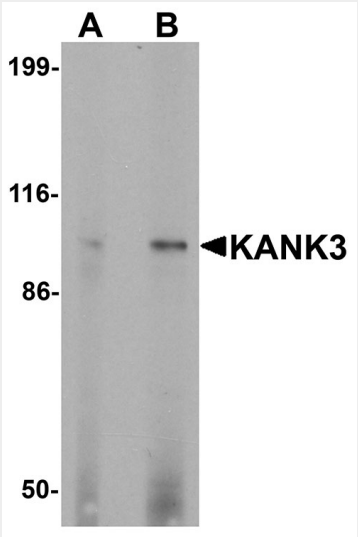
KANK3 Antibody - Protocols

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

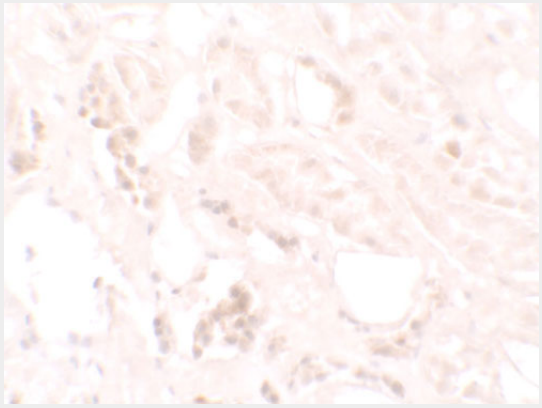
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KANK3 Antibody - Images



Western blot analysis of KANK3 in A431 cell lysate with KANK3 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of KANK3 in human kidney tissue with KANK3 antibody at 2.5 µg/ml.

KANK3 Antibody - Background

KANK3 Antibody: Ankyrins are membrane adaptor molecules that play important roles in the control of cytoskeleton formation by regulating actin polymerization. Like other members of the KANK family, KANK3 (KN motif and ankyrin repeat domain-containing protein 3), is thought to play a role in the formation of actin stress fibers. In zebrafish, the homolog of KANK3 interacts with the adaptor protein Numb, a protein implicated in multiple basic cellular processes, and is essential for epidermal integrity and neurulation, suggesting that KANK3 may play a similar role in higher organisms.

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

KANK3 Antibody - References

Zhu Y, Kakinuma N, Wang Y, et al. Kank proteins: a new family of ankyrin-repeat domain containing proteins. Biochim. Biophys. Acta 2008; 1780:128-33.
Roy BC, Kakinuma N, Kiyama R. Kank attenuates actin remodeling by preventing interaction between IRSp53 and Rac1. J. Cell Biol. 2009; 184:253-67.
Boggetti B, Jasik J, Takamiya M, et al. NBP, a zebrafish homolog of human Kank3, is a novel Numb interactor essential for epidermal integrity and neurulation. Dev. Biol. 2012; 365:164-74.