

Rabbit anti-Human, Mouse KANK1 Polyclonal Antibody | anti-KANK1 antibody

KANK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40511	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

KANK1; Polyclonal Antibody; KANK1 Antibody; KANK; CPSQ2; ANKRD15; KIAA0172; KN motif and ankyrin repeat domain-containing protein 1; Ankyrin repeat domain-containing protein 15; KN motif and ankyrin repeat domains 1; anti-KANK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Two alternatively spliced transcript variants encoding different isoforms have been identified. The lower molecular weight band seen in the immunoblot is thought to be non-specific.
Purity/Purification	KANK1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1352
Applicable Applications for anti-KANK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KANK1 antibody was raised against a 19 amino acid peptide near the amino terminus of human KANK1.
Buffer	KANK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of KANK1 in human kidney tissue with KANK1 antibody at 20 µg/ml.



IHC (Immunohistochemistry)

Immunohistochemistry of KANK1 in human kidney tissue with KANK1 antibody at 2.5 µg/ml.



WB (Western Blot)

Western blot analysis of KANK1 in 3T3 cell lysate with KANK1 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KANK1 antibody	KANK1 Antibody: Ankyrins are membrane adaptor molecules that play important roles in the control of cytoskeleton formation by regulating actin polymerization. KANK1 (KN motif and ankyrin repeat domain-containing protein 1), also known as ANKRD15, is a 1,352 amino acid protein that contains at least 12 exons and 5 ANK repeats. It binds to beta-catenin and regulates its subcellular distribution. KANK1 is ubiquitously expressed and localizes to cytoplasm. It may function as a tumor suppressor for renal cell carcinoma. Mutations in this gene cause cerebral palsy spastic quadriplegic type 2, a central nervous system development disorder.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	64464726
NCBI GeneID	23189
NCBI Accession #	NP_055973
NCBI GenBank Nucleotide #	NM_015158.3
UniProt Accession #	Q14678; Q5W0W0; Q8IY65; Q8WX74; A2A2W8; D3DRH3
Molecular Weight	Predicted: 149 kDa Observed: 150 kDa
NCBI Official Full Name	KN motif and ankyrin repeat domain-containing protein 1 isoform a
NCBI Official Synonym Full Names	KN motif and ankyrin repeat domains 1
NCBI Official Symbol	KANK1
NCBI Official Synonym Symbols	KANK; CPSQ2; ANKRD15
NCBI Protein Information	KN motif and ankyrin repeat domain-containing protein 1; kidney ankyrin repeat-containing protein; ankyrin repeat domain-containing protein 15
UniProt Protein Name	KN motif and ankyrin repeat domain-containing protein 1
UniProt Gene Name	KANK1
UniProt Synonym Gene Names	ANKRD15; KANK; KIAA0172
UniProt Entry Name	KANK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kank1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40511>