BOSTER BIOLOGICAL TECHNOLOGY
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Anti-KANK1 Antibody

Catalog Number: A05029

About KANK1

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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Overview

Product Name	Anti-KANK1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-KANK1 Antibody (Catalog # A05029). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	KANK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	KANK1 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q14678

Technical Details

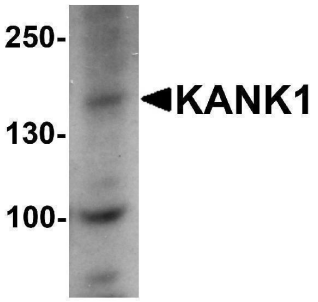
Immunogen	KANK1 antibody was raised against a 19 amino acid peptide near the amino terminus of human KANK1 . The immunogen is located within the first 50 amino acids of KANK1.
Predicted Reactive Species	Bovine, Chicken, Mouse, Pig, Rat
Cross Reactivity	Two alternatively spliced transcript variants encoding different isoforms have been identified. The

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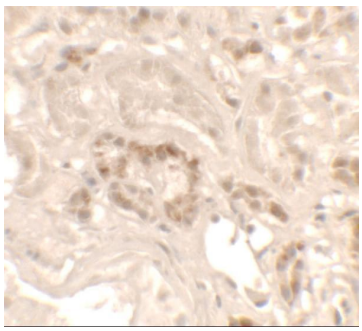
	lower molecular weight band seen in the immunoblot is thought to be non-specific.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	KANK1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	KANK1 Antibody can be used for detection of KANK1 by Western blot at 1 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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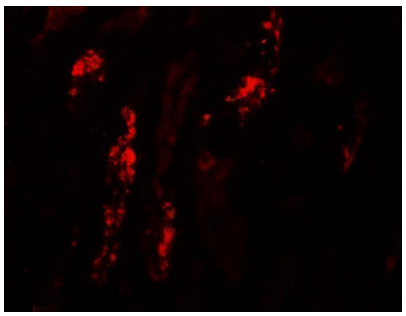
Anti-KANK1 Antibody (A05029) Images



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



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



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

For Research Use Only. Not for use in diagnostic procedures.