BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-KANK1 Antibody

Catalog Number: M05029

About KANK1

Involved in the control of cytoskeleton formation by regulating actin polymerization. Inhibits actin fiber formation and cell migration. Inhibits RhoA activity; the function involves phosphorylation through PI3K/Akt signaling and may depend on the competetive interaction with 14-3-3 adapter proteins to sequester them from active complexes. Inhibits the formation of lamellipodia but not of filopodia; the function may depend on the competetive interaction with BAIAP2 to block its association with activated RAC1. Inhibits fibronectin-mediated cell spreading; the function is partially mediated by BAIAP2. Inhibits neurite outgrowth. Involved in the establishment and persistence of cell polarity during directed cell movement in wound healing. In the nucleus, is involved in beta-catenin-dependent activation of transcription. Potential tumor suppressor for renal cell carcinoma.

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Overview

Product Name	Anti-KANK1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-KANK1 Antibody (Catalog # M05029). Tested in WB, IHC-P application(s). This antibody reacts with Human.
Application	IHC-P, WB
Clonality	Monoclonal 1773CT634.49.61
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	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.
Host	Mouse
Uniprot ID	Q14678

Technical Details

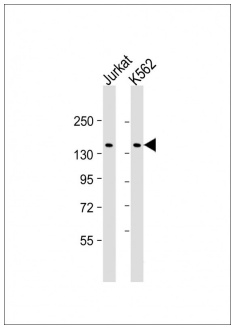
Immunogen	This KANK1 antibody is generated from a mouse immunized with a recombinant protein of human KANK1.

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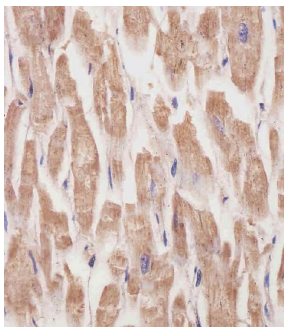
Predicted Reactive Species	Bovine
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000 IHC-P: 1:25

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Anti-KANK1 Antibody (M05029) Images



All lanes : Anti-KANK1 Antibody at 1:2000 dilutionLane 1: Jurkat whole cell lysateLane 2: K562 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 147 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M05029 staining KANK1 in human heart tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Anti-KANK1 Antibody

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