

## KANK1 Antibody

Catalog_no :	AB3683
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This KANK1 antibody is generated from a mouse immunized with a recombinant protein of human KANK1.
Dilution :	IHC-P,1:25;WB,1:2000;
Other_name :	KN motif and ankyrin repeat domain-containing protein 1, Ankyrin repeat domain-containing protein 15, Kidney ankyrin repeat-containing protein, KANK1, ANKRD15, KANK, KIAA0172
Isotype :	IgG1,k
Background :	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 competitive 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 competitive 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.
reference :	Nagase T.,et al.DNA Res. 3:17-24(1996). Humphray S.J.,et al.Nature 429:369-374(2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Sarkar S.,et al.J. Biol. Chem. 277:36585-36591(2002). Wang Y.,et al.Biochem. Biophys. Res.