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Datasheet for ABIN7157689

anti-ANKRD15 antibody (AA 66-255) (HRP)

Overview

Quantity:	100 µg
Target:	ANKRD15
Binding Specificity:	AA 66-255
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANKRD15 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human KN motif and ankyrin repeat domain-containing protein 1 protein (66-255AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ANKRD15
Alternative Name:	KANK1 (ANKRD15 Products)
Background:	Background: Involved in the control of cytoskeleton formation by regulating actin

Target Details

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.

Aliases: ANKRD 15 antibody, Ankyrin repeat domain 15 antibody, Ankyrin repeat domain containing protein 15 antibody, Ankyrin repeat domain-containing protein 15 antibody, DKFZp451G231 antibody, KANK antibody, KANK1 antibody, KANK1_HUMAN antibody, KIAA0172 antibody, Kidney ankyrin repeat containing protein antibody, Kidney ankyrin repeat-containing protein antibody, KN motif and ankyrin repeat domain-containing protein 1 antibody, MGC43128 antibody

UniProt: [Q14678](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.