

Datasheet for ABIN6242162  
**anti-ANKRD15 antibody**

## 2 Images

[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	ANKRD15
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ANKRD15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This KANK1 antibody is generated from a mouse immunized with a recombinant protein of human KANK1.
Clone:	1773CT634-49-61
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	ANKRD15
Alternative Name:	KANK1 ( <a href="#">ANKRD15 Products</a> )
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

## Target Details

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.

Molecular Weight: 147289

UniProt: [Q14678](#)

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

## Application Details

Application Notes: WB: 1:2000. IHC-P: 1:25

Restrictions: For Research Use only

## Handling

Format: Liquid

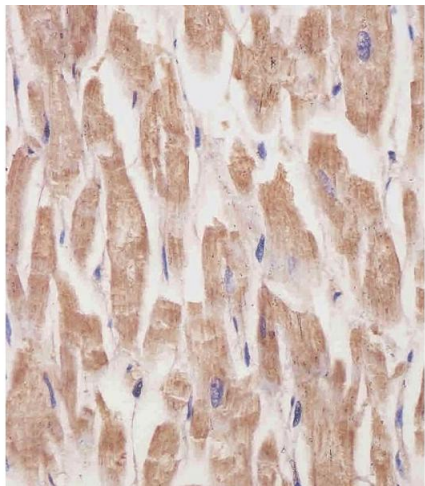
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

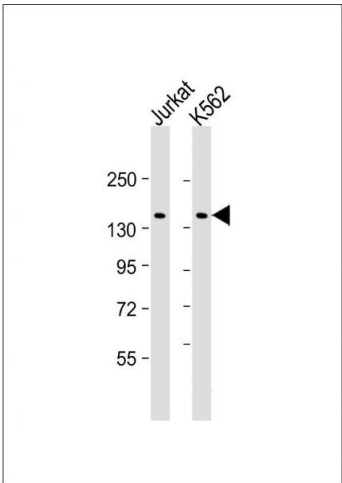
Storage: 4 °C, -20 °C

Expiry Date: 6 months



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** (ABIN6242162 and ABIN6577231) 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 ( pH 6). 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.



**Western Blotting**

**Image 2.** All lanes : Anti-KANK1 Antibody at 1:2000 dilution  
Lane 1: Jurkat whole cell lysate Lane 2: K562 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 147 kDa  
Blocking/Dilution buffer: 5 % NFDM/TBST.