

Datasheet for ABIN657698  
**anti-RANGAP1 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	RANGAP1
Binding Specificity:	AA 20-49, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This RANGAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-49 amino acids from the N-terminal region of human RANGAP1.
Clone:	RB33892
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	RANGAP1
Alternative Name:	RANGAP1 ( <a href="#">RANGAP1 Products</a> )
Background:	RanGAP1, is a homodimeric 65-kD polypeptide that specifically induces the GTPase activity of RAN, but not of RAS by over 1,000-fold. RanGAP1 is the immediate antagonist of RCC1, a regulator molecule that keeps RAN in the active, GTP-bound state. The RANGAP1 gene

## Target Details

encodes a 587-amino acid polypeptide. The sequence is unrelated to that of GTPase activators for other RAS-related proteins, but is 88 % identical to Fug1, the murine homolog of yeast Rna1p. RanGAP1 and RCC1 control RAN-dependent transport between the nucleus and cytoplasm. RanGAP1 is a key regulator of the RAN GTP/GDP cycle.

Molecular Weight: 63542

Gene ID: 5905

NCBI Accession: [NP\\_001265580](#), [NP\\_002874](#)

UniProt: [P46060](#)

Pathways: [M Phase](#), [Protein targeting to Nucleus](#)

## Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

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

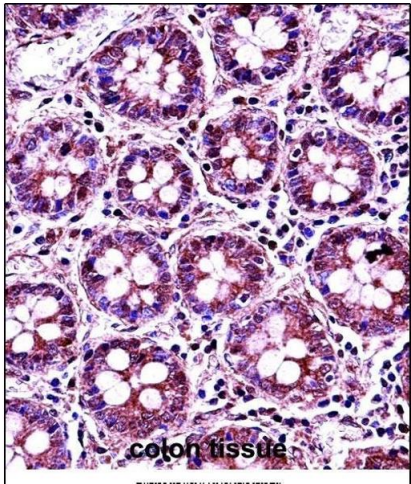
Preservative: Sodium azide

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

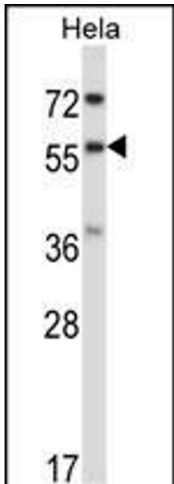
Storage Comment: RANGAP1 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



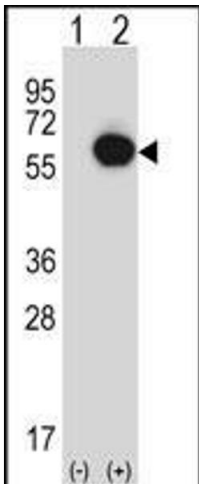
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** RANG Antibody (N-term) 3776a immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RANG Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** RANG Antibody (N-term) 3776a western blot analysis in HeLa cell line lysates (35 µg/lane). This demonstrates the RANG antibody detected the RANG protein (arrow).



**Western Blotting**

**Image 3.** Western blot analysis of RANG (arrow) using rabbit polyclonal RANG Antibody (N-term) 3776a. 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RANG gene.