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Overview

Overview	
Quantity:	100 μL
Target:	RANGAP1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus
	region of human RanGAP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to RanGAP1 (Ran GTPase activating protein 1)
	RanGAP1 antibody [N1], N-term
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	RANGAP1

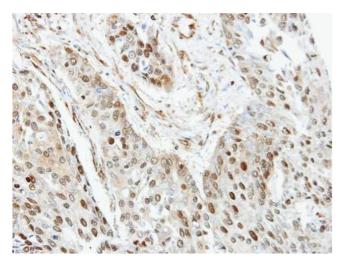
Target Details

Alternative Name:	Ran GTPase activating protein 1 (RANGAP1 Products)
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
	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.
	Cellular Localization: Cytoplasm , Nucleus membrane, Peripheral membrane protein,
	Cytoplasmic side , Kinetochore (By similarity)
Molecular Weight:	64 kDa
Gene ID:	5905
UniProt:	P46060
Pathways:	M Phase, Protein targeting to Nucleus
Application Details	
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Positive Control: A431
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Storage Comment:

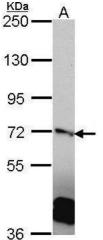
Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human Trachea, using RanGAP1, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: A431, 7.5% SDS PAGE antibody diluted at 1:1000