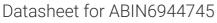
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anti-RANGAP1 antibody



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	N/P	r\/	i⊢₩

Quantity:	100 μL
Target:	RANGAP1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RANGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	Recombinant protein within human RanGAP1 aa 1-200.
Clone:	2A1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	RANGAP1
Alternative Name:	RanGAP1 (RANGAP1 Products)

Target Details

Background:	Synonyms: Ran GTPase-activating protein 1, RanGAP1, RANGAP1, KIAA1835	
	Background: The small Ras related protein Ran, also called TC4, is a nuclear localized GTPase	
	implicated in a diverse array of cellular processes including DNA replication, entry into and exit	
	from mitosis and the transport of RNA and proteins through the nuclear pore complex. Like	
	Ras, active Ran GTP and inactive Ran GDP levels are tightly regulated by guanine nucleotide	
	exchange factors (GEFs) and GTPase-activating proteins (GAPs). The abundant GEF RCC1	
	(regulator of chromosome condensation 1) increases the rate at which Ran exchanges GDP for	
	GTP. Ran GAP1 opposes the effects of RCC1 by increasing the rate at which Ran hydrolyzes	
	GTP to GDP. A protein designated Ran BP1 has no intrinsic GAP activity and functions as a GEF	
	inhibitor deactivating RCC1 and thereby indirectly increasing the ratio of Ran GDP to Ran GTP.	
	Ran BP2 has been proposed as the Ran GTP docking site at the periphery of the nuclear pore	
	complex.	
Gene ID:	5905	
UniProt:	P46060	
Pathways:	M Phase, Protein targeting to Nucleus	
Application Details		
Application Notes:	WB 1:300-5000	
	FCM 1:20-100	
	IHC-P 1:200-400	
	IF(IHC-P) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 %	
Buffer:		
Buffer: Preservative:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 %	
	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.	

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	12 months