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Datasheet for ABIN6264631 anti-RANBP1 antibody (N-Term)

2 Images



Overview

Quantity:	100 μL
Target:	RANBP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANBP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human RanBP1, corresponding to a region within N- terminal amino acids.
lsotype:	lgG
Specificity:	RanBP1 Antibody detects endogenous levels of total RanBP1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

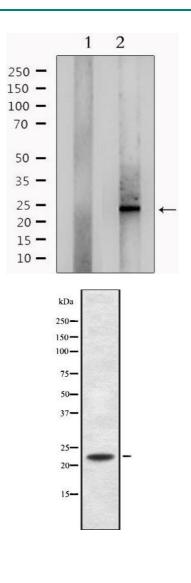
Target:

RANBP1

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Target Details	
Alternative Name:	RANBP1 (RANBP1 Products)
Background:	Description: Plays a role in RAN-dependent nucleocytoplasmic transport. Alleviates the TNPO1- dependent inhibition of RAN GTPase activity and mediates the dissociation of RAN from proteins involved in transport into the nucleus (By similarity). Induces a conformation change in the complex formed by XPO1 and RAN that triggers the release of the nuclear export signal of cargo proteins (PubMed:20485264). Promotes the disassembly of the complex formed by RAN and importin beta. Promotes dissociation of RAN from a complex with KPNA2 and CSE1L (By similarity). Required for normal mitotic spindle assembly and normal progress through mitosis via its effect on RAN (PubMed:17671426). Does not increase the RAN GTPase activity by itself, but increases GTP hydrolysis mediated by RANGAP1 (PubMed:7882974). Inhibits RCC1- dependent exchange of RAN-bound GDP by GTP (PubMed:7882974, PubMed:7616957). Gene: RANBP1
Molecular Weight:	23 kDa
Gene ID:	5902
UniProt:	P43487
Application Details	
Application Notes:	WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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Western Blotting

Image 1. Western blot analysis of extracts from mouse lung, using RANBP1 Antibody. Lane 1 was treated with the antigen-specific peptide.

Western Blotting

Image 2. Western blot analysis of RANBP1 using MCF7 whole cell lysates

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