

Datasheet for ABIN571291
anti-RAN antibody (AA 197-210)

3 Images

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Overview

Quantity:	100 µg
Target:	RAN
Binding Specificity:	AA 197-210
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This RAN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	RAN (aa 197-210)
Immunogen:	Peptide with sequence C-YEHDLEVAQTTALP, from the C Terminus of the protein sequence according to NP_006316.1.
Sequence:	YEHDLEVAQT TALP
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	RAN
Alternative Name:	RAN (RAN Products)
Background:	RAN, RAN, member RAS oncogene family, ARA24, Gsp1, TC4, GTP-binding nuclear protein Ran, GTPase Ran, OK/SW-cl.81, OTTHUMP00000166078, OTTHUMP00000166102, RanGTPase, androgen receptor-associated protein 24, guanosine triphosphatase Ran, member RAS oncogene
Gene ID:	5901, 19384, 84509
NCBI Accession:	NP_006316
Pathways:	Regulatory RNA Pathways , Intracellular Steroid Hormone Receptor Signaling Pathway , Protein targeting to Nucleus

Application Details

Application Notes:	Western Blot: Approx 25 kDa band observed in Human, Mouse and Rat Testis lysates (calculated MW of 24.4 kDa according to NP_006316.1). Recommended concentration: 0.1-1 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:8000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of A431 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

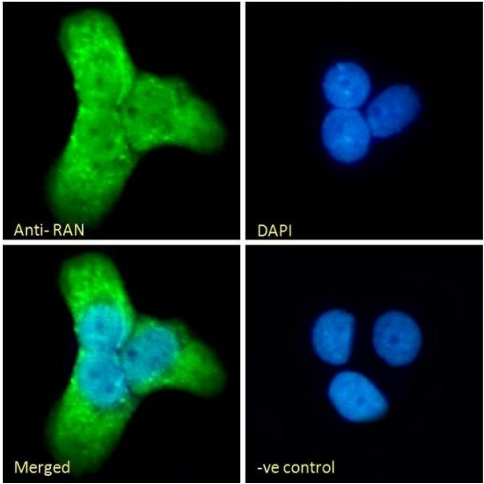
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C

Handling

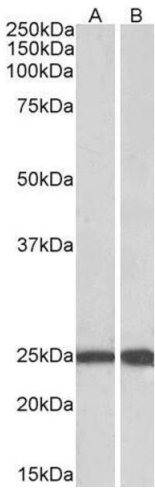
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunofluorescence

Image 1. (ABIN571291) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear and cytoplasmic staining. The nuclear stai



Western Blotting

Image 2. ABIN571291 (0.1µg/ml) staining of Mouse (A) and Rat (B) Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN571291 (1µg/ml) staining of Human Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.