-online.com antibodies

Datasheet for ABIN3032430 anti-RAN antibody (AA 112-140)

5 Images



Overview

Quantity:	0.4 mL
Target:	RAN
Binding Specificity:	AA 112-140
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 112-140 from the human protein was used as the immunogen for this RAN antibody.
lsotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Bovine, Primate, Chicken, Zebrafish, Xenopus, Drosophila
Purification:	Antigen affinity purified

Target Details

Target:	RAN
Alternative Name:	RAN (RAN Products)
Background:	RAN (ras-related nuclear protein) is a small GTP binding protein belonging to the RAS

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN3032430 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

	superfamily that is essential for the translocation of RNA and proteins through the nuclear pore
	complex. The RAN protein is also involved in control of DNA synthesis and cell cycle
	progression. Nuclear localization of RAN requires the presence of regulator of chromosome
	condensation 1 (RCC1). Mutations in RAN disrupt DNA synthesis. Because of its many
	functions, it is likely that RAN interacts with several other proteins. RAN regulates formation
	and organization of the microtubule network independently of its role in the nucleus-cytosol
	exchange of macromolecules. RAN could be a key signaling molecule regulating microtubule
	polymerization during mitosis. RCC1 generates a high local concentration of RAN-GTP around
	chromatin which, in turn, induces the local nucleation of microtubules. RAN is an androgen
	receptor (AR) coactivator that binds differentially with different lengths of polyglutamine within
	the androgen receptor. Polyglutamine repeat expansion in the AR is linked to Kennedy's disease
	(X-linked spinal and bulbar muscular atrophy). RAN coactivation of the AR diminishes with
	polyglutamine expansion within the AR, and this weak coactivation may lead to partial
	androgen insensitivity during the development of Kennedy's disease.
UniProt:	P62826
Pathways:	Regulatory RNA Pathways, Intracellular Steroid Hormone Receptor Signaling Pathway, Protein
	targeting to Nucleus
Application Dataila	

Application Details

Application Notes:	Titration of the RAN antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow
	Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

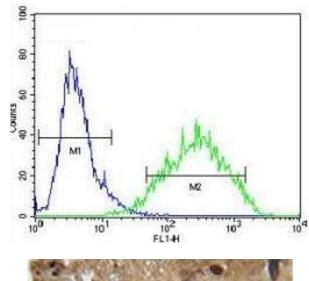
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the RAN antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw

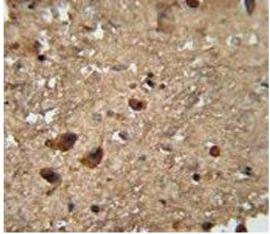
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN3032430 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Handling

cycles.

Images



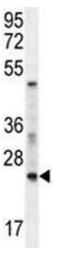


Flow Cytometry

Image 1. RAN antibody flow cytometric analysis of NIH3T3 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Immunohistochemistry

Image 2. RAN antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.



Western Blotting

Image 3. RAN antibody western blot analysis in mouse NIH3T3 lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN3032430.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN3032430 | 09/11/2023 | Copyright antibodies-online. All rights reserved.