

RAN Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived human Ran recombinant protein (Position: A2-L216).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage Conditions	-20°C
RRID	AB_2747028

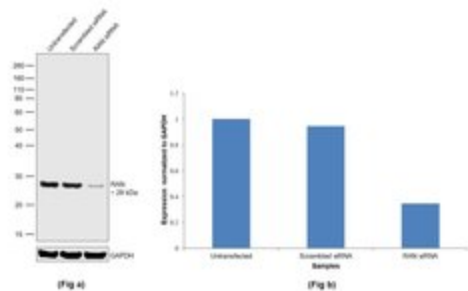
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	5 µg/mL	-
Immunofluorescence (IF)	5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Western Blot (WB)	0.1-0.5 µg/mL	-

Product Specific Information

Add 0.2 mL of distilled water, will yield a concentration of 500 µg/mL.

RAN Antibody (PA5-79913)

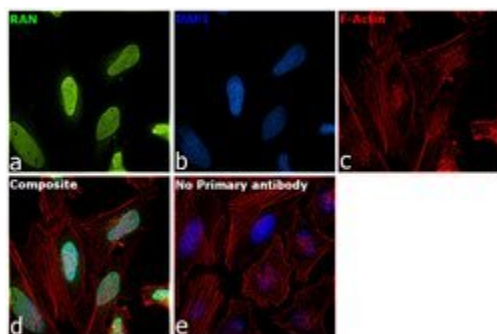
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with RAN siRNA and decrease in signal intensity was observed in western blot application using Anti-RAN Polyclonal Antibody (Product # PA5-79913). Knockdown validation info.



Product Images For RAN Polyclonal Antibody

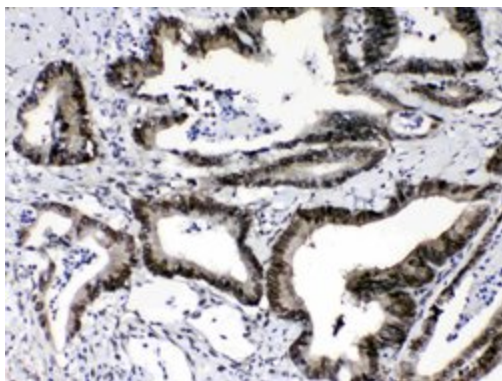
RAN Antibody (PA5-79913) in IF

Immunofluorescence analysis of RAN was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with RAN Polyclonal Antibody (Product # PA5-79913) at 5 µg/ml concentration in 0.1% BSA, incubated at 4 degree celsius overnight and then with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing staining in nucleus. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



RAN Antibody (PA5-79913) in IHC (P)

Immunohistochemistry analysis of RAN on paraffin-embedded human intestinal cancer tissue. Antigen retrieval was performed using citrate buffer (pH6, epitope retrieval solution) for 20 mins. Sample was blocked using 10% goat serum, incubated with RAN polyclonal antibody (Product# PA5-79913) with a dilution of 1 µg /mL (overnight at 4°C), and followed by biotinylated goat anti-rabbit IgG (30 minutes at 37°C). Development was performed using Streptavidin-Biotin-Complex (SABC) with DAB chromogen method.



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