

RAB27A Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Sheep / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived recombinant human RAB27A Ser135-Ala218
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608619

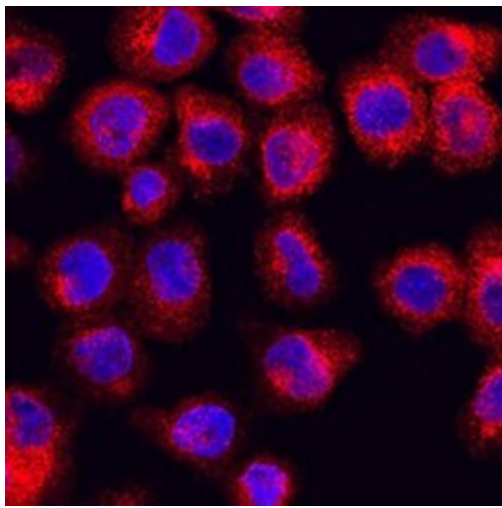
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	5-15 µg/mL	1 Publication

Product Specific Information

This antibody detects human, mouse, and rat RAB27A in Western blots and recombinant human RAB27A in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant human RAB27B is observed.

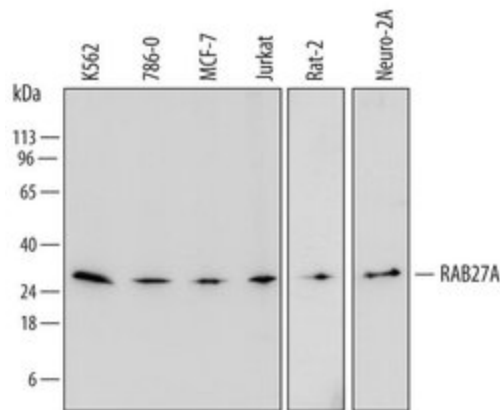
Reconstitute in sterile PBS to a final concentration of 0.2 mg/mL.

Product Images For RAB27A Polyclonal Antibody



RAB27A Antibody (PA5-47907) in ICC/IF

Immunocytochemical analysis of RAB27A was detected in immersion fixed U937 human histiocytic lymphoma cell line using Sheep Anti-human/mouse/Rat RAB27A Antigen Affinity-purified Polyclonal Antibody (Product # PA5-47907) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the 557-conjugated Anti-Sheep IgG Secondary Antibody (re and counterstained with DAPI (blue). Specific staining was localized to cytoplasm.

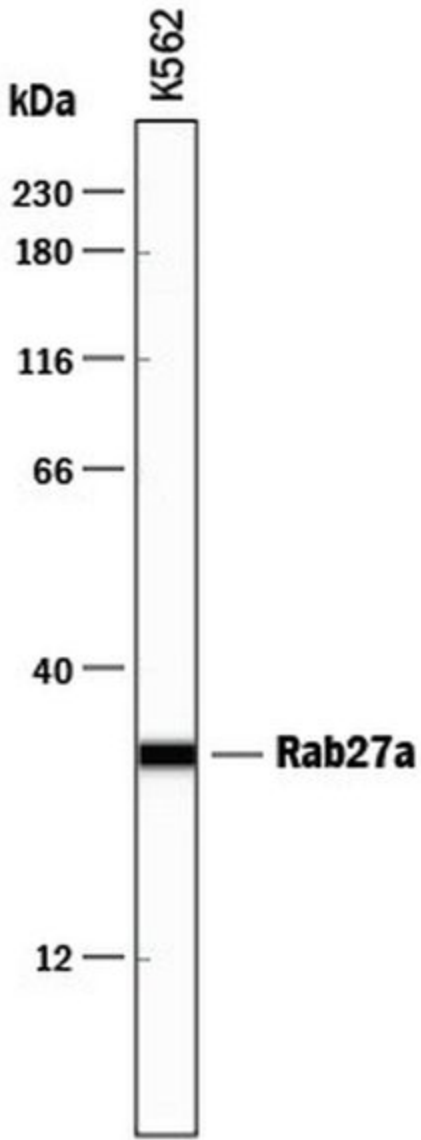


RAB27A Antibody (PA5-47907) in WB

Western blot analysis from lysates of K562 human chronic myelogenous leukemia cell line, 786-O human renal cell adenocarcinoma cell line, MCF-7 human breast cancer cell line, Jurkat human acute T cell leukemia cell line, Rat-2 rat embryonic fibroblast cell line, and Neuro-2A mouse neuroblastoma cell line. PVDF membrane was probed with 0.5 µg/mL of Sheep Anti-human/mouse/Rat RAB27A Antigen Affinity-purified Polyclonal Antibody (Product # PA5-47907) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody. A specific band was detected for RAB27A at approximately 28 kDa (as indicated). This experiment was conducted under reducing conditions.

RAB27A Antibody (PA5-47907) in WB

Western blot analysis from lysates of K562 human chronic myelogenous leukemia cell line, loaded at 0.2 mg/mL. A specific band was detected for Rab27a at approximately 32 kDa (as indicated) using 5 µg/mL of Sheep Anti-human/mouse/Rat Rab27a Antigen Affinity-purified Polyclonal Antibody (Product # PA5-47907) followed by 1:50 dilution of HRP-conjugated Anti-Sheep IgG Secondary Antibody. This experiment was conducted under reducing conditions.



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Western Blot (1)

Nature biomedical engineering

Large-scale generation of functional mRNA-encapsulating exosomes via cellular nanoporation.

"PA5-47907 was used in Western Blotting to demonstrate a cellular-nanoporation method for the production of large quantities of exosomes containing therapeutic mRNAs and targeting peptides."

Authors: Yang Z, Shi J, Xie J, Wang Y, Sun J, Liu T, Zhao Y, Zhao X, Wang X, Ma Y, Malkoc V, Chiang C, Deng W, Chen Y, Fu Y, Kwak KJ, Fan Y, Kang C, Yin C, Rhee J, Bertani P, Otero J, Lu W, Yun K, Lee AS, Jiang W, Teng L, Kim BYS, Lee LJ

Species
Mouse

Dilution
Not Cited

Year
2020

Immunocytochemistry (1)

Investigative ophthalmology & visual science

RF/6A Chorioretinal Cells Do Not Display Key Endothelial Phenotypes.

"Published figure using RAB27A polyclonal antibody (Product # PA5-47907) in Immunocytochemistry"

Authors: Makin RD, Apicella I, Nagasaka Y, Kaneko H, Turner SD, Kerur N, Ambati J, Gelfand BD

Species
Not Applicable

Dilution
Not Cited

Year
2018

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