

RhoGAP Polyclonal Antibody

Catalog NumberPA5-27426

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 158 and 406 of Human ARHGAP1	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:3,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, HeLa, HepG2, Mouse brain, ARHGAP1-transfected 293T. Predicted reactivity: Mouse (95%), Rat (92%), Dog (96%), Rhesus Monkey (98%), Bovine (92%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

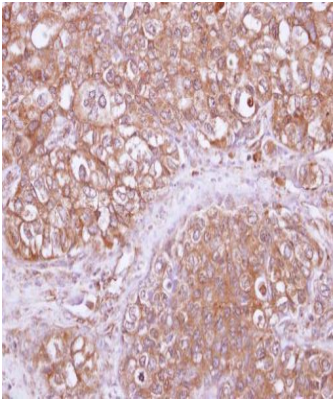
The p190 RhoGAP protein is associated with p120 RasGAP in growth-factor stimulated and tyrosine kinase transformed cells. It functions as a GTPase - activating protein (GAP) for Rho and Rac family proteins, which are involved in regulating cytoskeletal actin and membrane ruffling. The antibody appears to couple signal transduction via Ras and Rho through its association with RasGAP. The presence of two adjacent SH2 domains in the p21 RAS GAP indicates that GAP might interact directly with tyrosine kinases.

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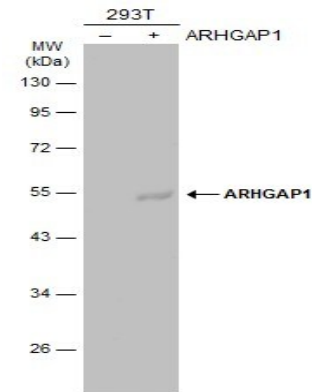
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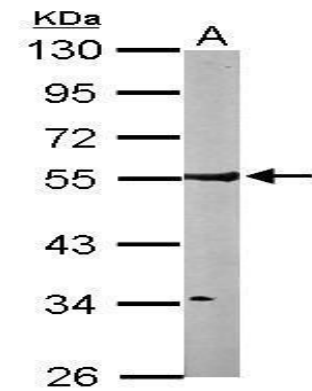
RhoGAP Antibody (PA5-27426) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human lung SCC, using ARHGAP1 (Product # PA5-27426) antibody at 1:100 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



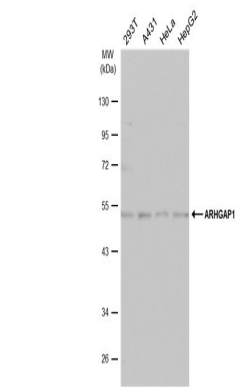
RhoGAP Antibody (PA5-27426) in WB

Western Blot analysis of RhoGAP was performed by separating 30 µg of non-transfected (–) and transfected (+) 293T whole cell extracts by 10% SDS-PAGE. Proteins were transferred to a membrane and probed with a RhoGAP Polyclonal Antibody (Product # PA5-27426) at a dilution of 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



RhoGAP Antibody (PA5-27426) in WB

Western Blot using RhoGAP Polyclonal Antibody (Product # PA5-27426). Sample (50 µg of whole cell lysate). Lane A: Mouse brain. 10% SDS PAGE. RhoGAP Polyclonal Antibody (Product # PA5-27426) diluted at 1:1,000.



RhoGAP Antibody (PA5-27426) in WB

Western Blot analysis of RhoGAP was performed by separating 30 µg of various whole cell extracts by 10% SDS-PAGE. Proteins were transferred to a membrane and probed with a RhoGAP Polyclonal Antibody (Product # PA5-27426) at a dilution of 1:500 and a HRP-conjugated anti-rabbit IgG secondary antibody.

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