

RGS13 Polyclonal Antibody

Catalog NumberPA5-29842

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:500-1:3,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 159 of Human RGS13	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA5-29842 targets RGS13 in IF and WB applications and shows reactivity with Human and mouse samples. The PA5-29842 immunogen is recombinant fragment corresponding to a region within amino acids 1 and 159 of Human RGS13.

Background/Target Information

RGS13 is the smallest member of the mammalian gene family, RGS (regulators of G protein-signaling) which are structural and functional homologues of yeast SST2 and C. elegans egl-10 proteins. RGS proteins attenuate G protein-mediated pathways by acting as GTPase-activating proteins (GAPs) for Ga subunits. RGS13 has been found most abundantly in human tonsil, thymus, lung, lymph node, and spleen. RGS13 regulate Gai, Gaq, and Gas coupled signaling cascades. It is a GTPase-activating protein for Gai and Gao. The protein blocks MAPK activity induced by Gai- or Gaq-coupled receptors. The protein also attenuates GTPase-deficient Gaq (GaqQL) mediated cAMP response element activation. The gene encoding for human RGS13 is localized on chromosome 1q31.2.

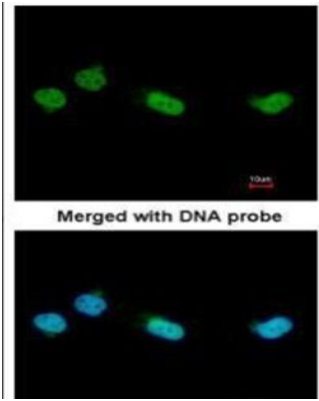
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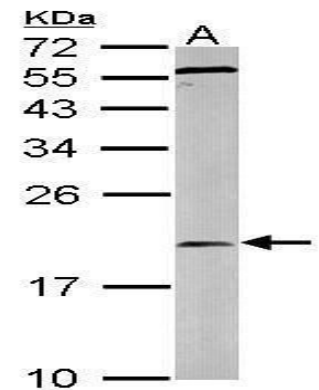
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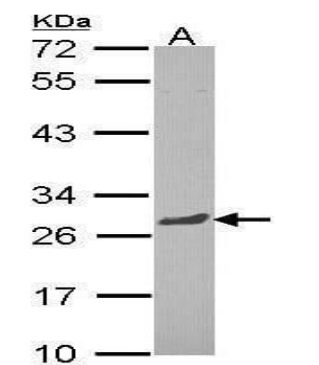
Product Images For RGS13 Polyclonal Antibody



RGS13 Antibody (PA5-29842) in ICC/IF
Immunofluorescent analysis of RGS13 in paraformaldehyde-fixed A549 cells using a RGS13 polyclonal antibody (Product # PA5-29842) at a 1:200 dilution.



RGS13 Antibody (PA5-29842) in WB
Western blot analysis of RGS13 using 50µg of mouse brain lysate. Samples were loaded onto a 12% SDS-PAGE gel and probed with a RGS13 polyclonal antibody (Product # PA5-29842) at a dilution of 1:500.



RGS13 Antibody (PA5-29842) in WB
Western blot analysis of RGS13 using 30µg of HepG2 lysate. Samples were loaded onto a 12% SDS-PAGE gel and probed with a RGS13 polyclonal antibody (Product # PA5-29842) at a dilution of 1:1000.

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