



ARHGEF7 Polyclonal Antibody

Catalog Number PA5-27508

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 239 and 489 of Human ARHGEF7	* 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

PA5-27508 targets ARHGEF7 in IHC (P) and WB applications and shows reactivity with Human samples. The PA5-27508 immunogen is recombinant fragment corresponding to a region within amino acids 239 and 489 of Human ARHGEF7.

Background/Target Information

The serine/threonine kinase, p21 activated kinase (PAK), is a downstream effector of the small GTPases Cdc42 and Rac. PAK associates with Nck, the p85 and p110 subunits of PI3-kinase and PIX (PAK-interacting exchange factor) in a focal complex. The binding of PIX is necessary for the localization and activation of PAK in the Cdc42 to Rac signaling pathway, and this binding occurs through the high affinity of the N-terminal SH3 domain of PIX for a conserved proline rich PAK sequence. PIX exists as two isoforms, alpha and beta, and both are highly expressed in heart, muscle and thymus tissues of human and rat. alphaPIX is phosphorylated via PDGF and EphB2 receptor signaling pathways or through association with PI3-kinase. The alphaPIX isoform predominantly acts as a guanine nucleotide exchange factor (GEF) on Rac, which may mediate lamellipodia formation.

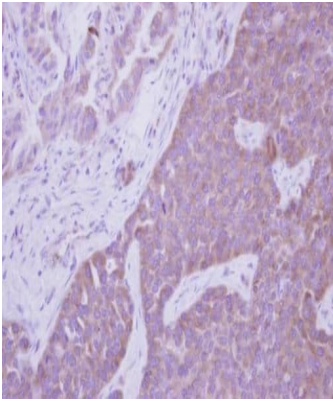
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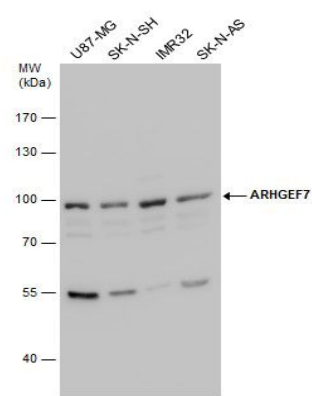
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Product Images For ARHGEF7 Polyclonal Antibody



ARHGEF7 Antibody (PA5-27508) in IHC (P)

Immunohistochemical analysis of ARHGEF7 in paraffin-embedded AdCA xenograft using an ARHGEF7 polyclonal antibody (Product # PA5-27508) at a dilution of 1:500.



ARHGEF7 Antibody (PA5-27508) in WB

Western blot analysis of ARHGEF7 using Various whole cell extracts (30 µg). Samples were loaded onto a 7.5% SDS-PAGE gel and probed with an ARHGEF7 polyclonal antibody (Product # PA5-27508) at a dilution of 1:1000.

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