

ARHGEF3 Polyclonal Antibody

Catalog NumberPA5-30608

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 81 and 337 of Human ARHGEF3	Immunocytochemistry (ICC/IF)	1:100-1:1,000
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	0.1M tris glycine, 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: NT2D1, MCF-7. Predicted reactivity: Mouse (100%), Rat (99%), Zebrafish (87%), Chicken (93%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Rho-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

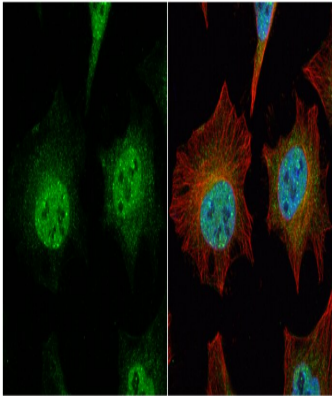
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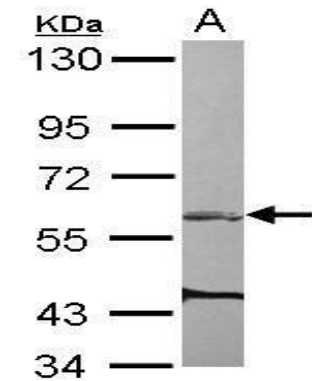
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Product Images For ARHGEF3 Polyclonal Antibody



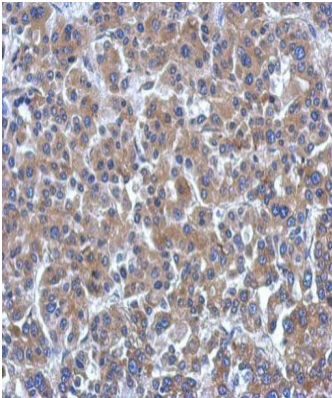
ARHGEF3 Antibody (PA5-30608) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of ARHGEF3 was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: ARHGEF3 Polyclonal Antibody (Product # PA5-30608) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker. Blue: Hoechst 33342 staining.



ARHGEF3 Antibody (PA5-30608) in WB

Western Blot using ARHGEF3 Polyclonal Antibody (Product # PA5-30608). Sample (30 µg of whole cell lysate). Lane A: MCF-7. 7.5% SDS PAGE. ARHGEF3 Polyclonal Antibody (Product # PA5-30608) diluted at 1:2,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



ARHGEF3 Antibody (PA5-30608) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human hepatoma, using ARHGEF3 (Product # PA5-30608) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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