

ARHGEF18 antibody

Product Information

Catalog No.:	FNab00561
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Acts as guanine nucleotide exchange factor(GEF) for RhoA GTPases. Its activation induces formation of actin stress fibers. Also act as a GEF for RAC1, inducing production of reactive oxygen species(ROS). Does not act as a GEF for CDC42. The G protein beta-gamma(Gbetagamma) subunits of heterotrimeric G proteins act as activators, explaining the integrated effects of LPA and other G-protein coupled receptor agonists on actin stress fiber formation, cell shape change and ROS production. Required for EPB41L4B-mediated regulation of the circumferential actomyosin belt in epithelial cells(PubMed:22006950).

Immunogen information

Immunogen:	rho/rac guanine nucleotide exchange factor(GEF) 18
Synonyms:	Rho guanine nucleotide exchange factor 18 114 kDa Rho-specific guanine nucleotide exchange factor (p114-Rho-GEF, p114RhoGEF) Septin-associated RhoGEF (SA-RhoGEF) ARHGEF18 KIAA0521
Observed MW:	120-130 kDa
Uniprot ID :	Q6ZSZ5

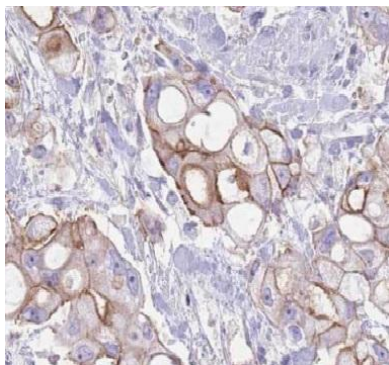
Application

Reactivity:	Human, Mouse
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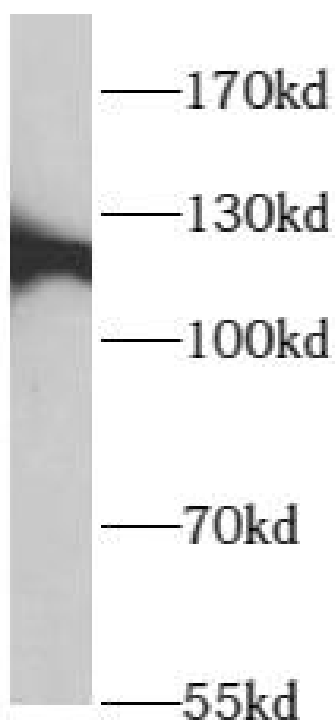
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human pancreas cancer using FNab00561 (ARHGEF18 antibody) at dilution of 1:50



mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab00561 (ARHGEF18 antibody) at dilution of 1:300