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anti-ARHGEF18 antibody



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Quantity:	100 μg	
Target:	ARHGEF18	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ARHGEF18 antibody is un-conjugated	
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)	

Product Details

Immunogen:	rho/rac guanine nucleotide exchange factor(GEF) 18
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	ARHGEF18
Alternative Name:	ARHGEF18 (ARHGEF18 Products)
Background:	Synonyms:KIAA0521 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,

Target Details

	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).
Molecular Weight:	120-130 kDa
Gene ID:	23370
UniProt:	Q6ZSZ5

Application Details

Pathways:

Application Notes:	WB: 1:500-1:2000, IHC: 1:20-1:200
Restrictions:	For Research Use only

Neurotrophin Signaling Pathway

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months