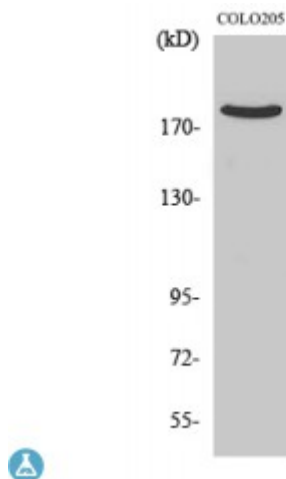


Anti-PDZ-RhoGEF antibody



Description	Rabbit polyclonal to PDZ-RhoGEF.
Model	STJ95017
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human PDZ-RhoGEF
Immunogen Region	170-250 aa, N-terminal
Gene ID	9826
Gene Symbol	ARHGEF11
Dilution range	WB 1:500-1:2000ELISA 1:5000
Specificity	PDZ-RhoGEF Polyclonal Antibody detects endogenous levels of PDZ-RhoGEF protein.
Tissue Specificity	Ubiquitously expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rho guanine nucleotide exchange factor 11 PDZ-RhoGEF
Molecular Weight	167.704 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14580 OMIM:605708
Alternative Names	Rho guanine nucleotide exchange factor 11 PDZ-RhoGEF
Function	May play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13). Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase and may act as GTPase-activating protein (GAP) for GNA12 and GNA13. Involved in neurotrophin-induced neurite outgrowth.
Sequence and Domain Family	The poly-Pro region is essential for plasma membrane localization upon stimulation.
Cellular Localization	Cytoplasm Membrane. Translocated to the membrane upon stimulation.
Post-translational Modifications	Phosphorylated by MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14).; Ubiquitinated by the BCR(KLHL20) E3 ubiquitin ligase complex when previously phosphorylated by MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14), leading to its degradation, thereby restricting RhoA activity and facilitating growth cone spreading and neurite outgrowth.

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com