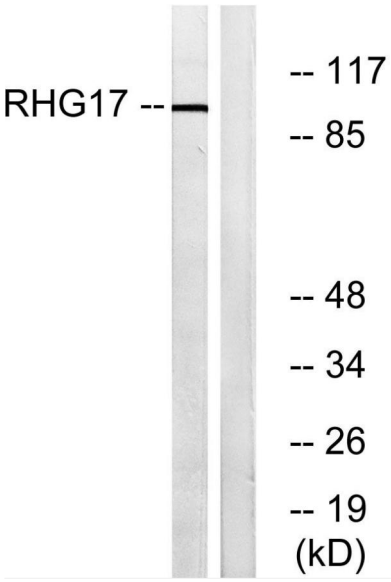
ARHGAP17 Polyclonal Antibody

Catalog No	YP-Ab-16133
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ARHGAP17
Protein Name	Rho GTPase-activating protein 17
Immunogen	The antiserum was produced against synthesized peptide derived from human RHG17. AA range:331-380
Specificity	ARHGAP17 Polyclonal Antibody detects endogenous levels of ARHGAP17 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARHGAP17; RICH1; MSTP066; MSTP110; Rho GTPase-activating protein 17; Rho-type GTPase-activating protein 17; RhoGAP interacting with CIP4 homologs protein 1; RICH-1
Observed Band	100kD
Cell Pathway	Membrane; Peripheral membrane protein. Cytoplasm. Cell junction, tight junction. Associates with membranes and concentrates at sites of cell-cell contact.
Tissue Specificity	Ubiquitously expressed. Expressed at higher level in heart and placenta.
Function	domain:The BAR domain mediates the interaction with the coiled coil domain of AMOT, leading to its recruitment to tight junctions.,function:Rho GTPase-activating protein involved in the maintenance of tight junction by regulating the activity of CDC42, thereby playing a central role in apical polarity of epithelial cells. Specifically acts as a GTPase activator for the CDC42 GTPase by converting it to an inactive GDP-bound state. The complex formed with AMOT acts by regulating the uptake of polarity proteins at tight junctions, possibly by deciding whether tight junction transmembrane proteins are recycled back to the plasma membrane or sent elsewhere. Participates in the Ca(2+)-dependent regulation of exocytosis, possibly by catalyzing GTPase activity of Rho family proteins and by inducing the reorganization of the cortical actin filaments. Acts as a GTPase activitor in vitro for RAC1.,

Background	RICH1 is a GTPase-activating protein (GAP). GAPs stimulate the intrinsic GTP hydrolysis of small G proteins, such as RHOA (MIM 165390), RAC1 (MIM 602048), and CDC42 (MIM 116952).[supplied by OMIM, Apr 2004],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from LOVO cells, using RHG17 Antibody. The lane on the right is blocked with the synthesized peptide.