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RhoGEF p115 Polyclonal Antibody
Catalog # AP72271

Specification

RhoGEF p115 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q92888
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

RhoGEF p115 Polyclonal Antibody - Additional Information

Gene ID 9138

Other Names
ARHGEF1; Rho guanine nucleotide exchange factor 1; 115 kDa guanine nucleotide exchange factor; p115-RhoGEF; p115RhoGEF; Sub1.5

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

RhoGEF p115 Polyclonal Antibody - Protein Information

Name ARHGEF1

Function
Seems to play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) subunits (PubMed:9641915, PubMed:9641916). Acts as a GTPase-activating protein (GAP) for GNA12 and GNA13, and as guanine nucleotide exchange factor (GEF) for RhoA GTPase (PubMed:30521495, PubMed:8810315, PubMed:9641915, PubMed:9641916). Activated G alpha 13/GNA13 stimulates the RhoGEF activity through interaction with the RGS-like domain (PubMed:9641916). This GEF activity is inhibited by binding to activated GNA12 (PubMed:9641916). Mediates angiotensin-2-induced RhoA activation (PubMed:<a

href="http://www.uniprot.org/citations/20098430" target="_blank">20098430). In lymphoid follicles, may trigger activation of GNA13 as part of S1PR2-dependent signaling pathway that leads to inhibition of germinal center (GC) B cell growth and migration outside the GC niche.

Cellular Location
Cytoplasm. Membrane. Note=Translocated to the membrane by activated GNA13 or LPA stimulation

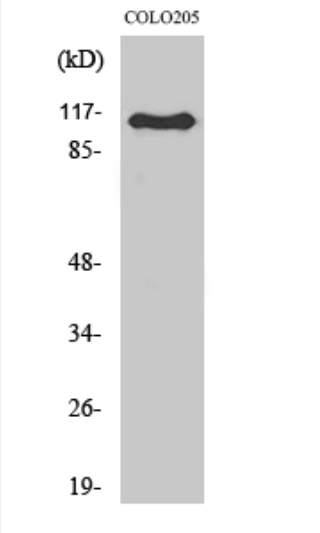
Tissue Location
Ubiquitously expressed.

RhoGEF p115 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RhoGEF p115 Polyclonal Antibody - Images



Western Blot analysis of various cells using RhoGEF p115 Polyclonal Antibody

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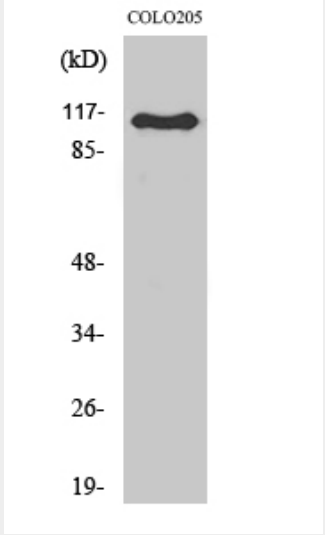

Western Blot analysis of various cells using RhoGEF p115 Polyclonal Antibody

RhoGEF p115 Polyclonal Antibody - Background

Seems to play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) subunits. Acts as GTPase-activating protein (GAP) for GNA12 and GNA13, and as guanine nucleotide exchange factor (GEF) for RhoA GTPase. Activated G alpha 13/GNA13 stimulates the RhoGEF activity through interaction with the RGS-like domain. This GEF activity is inhibited by binding to activated GNA12. Mediates angiotensin-2- induced RhoA activation.