

## RhoGEF p115 Polyclonal Antibody

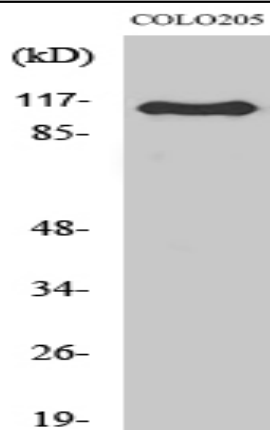
<b>Catalog No :</b>	YT4088
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	RhoGEF p115
<b>Fields :</b>	>>Vascular smooth muscle contraction;>>Platelet activation;>>Regulation of actin cytoskeleton;>>Parathyroid hormone synthesis, secretion and action;>>Pathogenic Escherichia coli infection;>>Yersinia infection;>>Human cytomegalovirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Lipid and atherosclerosis
<b>Gene Name :</b>	ARHGEF1
<b>Protein Name :</b>	Rho guanine nucleotide exchange factor 1
<b>Human Gene Id :</b>	9138
<b>Human Swiss Prot No :</b>	Q92888
<b>Mouse Gene Id :</b>	16801
<b>Mouse Swiss Prot No :</b>	Q61210
<b>Rat Swiss Prot No :</b>	Q9Z1I6
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ARHGEF1. AA range:162-211
<b>Specificity :</b>	RhoGEF p115 Polyclonal Antibody detects endogenous levels of RhoGEF p115 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG

---

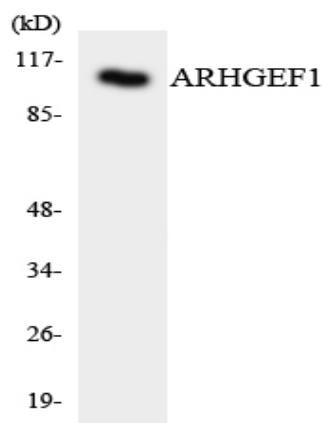
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	105kD
<b>Cell Pathway :</b>	Regulation of Actin Dynamics; AMPK
<b>Background :</b>	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008],
<b>Function :</b>	domain:The DH domain is involved in interaction with CCPG1.,domain:The RGSL domain, also known as rgRGS domain, is necessary but not sufficient for GAP activity.,function: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.,PTM:Phosphorylated by PKCA.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 RGSL (RGS-like) domain.,subcellular location:Translocated to the membrane by activ
<b>Subcellular Location :</b>	Cytoplasm . Membrane . Translocated to the membrane by activated GNA13 or LPA stimulation.
<b>Expression :</b>	Ubiquitously expressed.

---

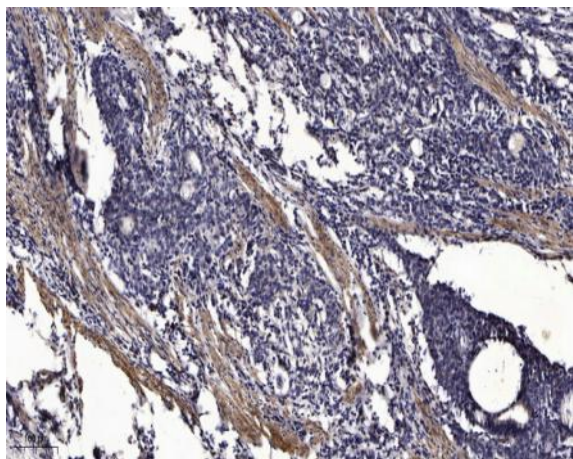
## Products Images



Western Blot analysis of various cells using RhoGEF p115 Polyclonal Antibody



Western blot analysis of the lysates from HepG2 cells using ARHGEF1 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).