

产品名称: RhoGEF p115 Rabbit Polyclonal Antibody
产品货号: APRab17133



产品概述 (Summary)

产品名称 (Production Name)	RhoGEF p115 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ARHGEF1
别名 (Alternative Names)	ARHGEF1; Rho guanine nucleotide exchange factor 1; 115 kDa guanine nucleotide exchange factor; p115-RhoGEF; p115RhoGEF; Sub1.5
基因 ID (Gene ID)	9138.0
蛋白 ID (SwissProt ID)	Q92888.The antiserum was produced against synthesized peptide derived from human ARHGEF1. AA range:162-211

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	105kDa

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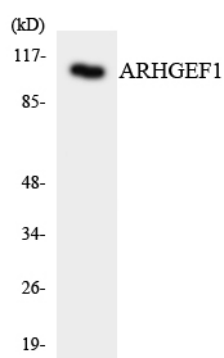
研究背景 (Background)

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], 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 activated GNA13 or LPA stimulation., subunit: Interacts with RHOA, GNA12 and GNA13. Homooligomerizes through the coiled coil region. May interact with CCPG1 (By similarity). Interacts with CTNNAL1., tissue specificity: Ubiquitously expressed.,

研究领域 (Research Area)

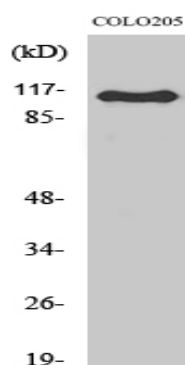
Regulation of Actin Dynamics; AMPK

图片 (Image Data)



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

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Western Blot analysis of various cells using RhoGEF p115 Polyclonal Antibody

注意事项 (Note)

For research use only .