



ARHG4 Polyclonal Antibody

Catalog No	YP-Ab-06094
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ARHGEF4 KIAA1112
Immunogen	Synthesized peptide derived from human protein . at AA range: 270-350
Specificity	ARHG4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARHGEF4;ASEF;ASEF1;GEF4;KIAA1112;STM6;ARHG4;ARHGEF4 KIAA1112; Rho guanine nucleotide exchange factor 4 (APC-stimulated guanine nucleotide exchange factor 1) (Asef) (Asef1)
Observed Band	75kD
Calculated Molecular Weight	75kD
Cell Pathway	[Isoform 3]: Cytoplasm. Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Associated with membrane ruffles. .
Tissue Specificity	Expressed at high levels in the brain, skeletal muscle and testis and at low levels in the kidney, lung, small intestine, ovary and prostate. Expression is aberrantly enhanced in most colorectal tumors.
Function	function:Acts as guanine nucleotide exchange factor (GEF) for RhoA and RAC1 GTPases. Binding of APC may activate RAC1 GEF activity. The APC-ARHGEF4 complex seems to be involved in cell migration as well as in E-cadherin-mediated cell-cell adhesion.,sequence caution:Translation N-terminally extended.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH3 domain.,subcellular location:Associated with membrane ruffles.,subunit:Isoform 3 interacts with RHOA and RAC1, and through its N-terminus with APC. Found in a complex consisting of ARHGEF4,



APC and CTNNB1.,tissue specificity:Expressed at low levels in brain, kidney, lung and muscle.,

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 protein encoded by this gene may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jun 2013],

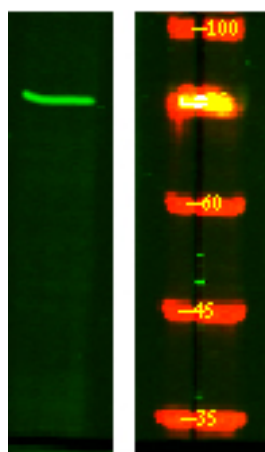
matters needing attention

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 HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000