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ARHGEF4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18666B

Specification

ARHGEF4 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NR80
Other Accession	NP_056135.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**79067**
Antigen Region	**573-599**

ARHGEF4 Antibody (C-term) - Additional Information

Gene ID 50649

Other Names
Rho guanine nucleotide exchange factor 4, APC-stimulated guanine nucleotide exchange factor 1, Asef, Asef1, ARHGEF4, KIAA1112

Target/Specificity
This ARHGEF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 573-599 amino acids from the C-terminal region of human ARHGEF4.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ARHGEF4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGEF4 Antibody (C-term) - Protein Information

Name ARHGEF4

Synonyms KIAA1112

Function Acts as a guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 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. Required for MMP9 up- regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression.

Cellular Location
[Isoform 3]: Cytoplasm. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Note=Associated with membrane ruffles

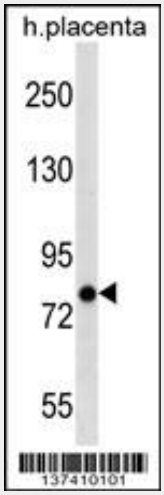
Tissue Location
Expressed at high levels in the brain, skeletal muscle and testis and at low levels in the kidney, lung, small intestine, ovary and prostate. Expression is aberrantly enhanced in most colorectal tumors.

ARHGEF4 Antibody (C-term) - 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

ARHGEF4 Antibody (C-term) - Images



ARHGEF4 Antibody (C-term) (Cat. #AP18666b) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the ARHGEF4 antibody detected the ARHGEF4 protein (arrow).

ARHGEF4 Antibody (C-term) - 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. This protein is similar to rat collybistin protein. Alternative splicing of this gene generates two transcript variants which encode different isoforms. Also there is possibility for the usage of multiple polyadenylation sites for this gene.

ARHGEF4 Antibody (C-term) - References

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