

Rabbit anti-Human ARHGEF4 Polyclonal Antibody | anti-ARHGEF4 antibody

ARHGEF4 Antibody (C-term)

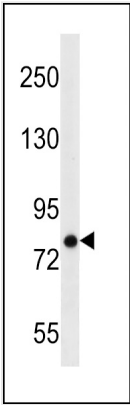
CATALOG # AAA288130	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

ARHGEF4; Polyclonal Antibody; ARHGEF4 Antibody (C-term); Rho guanine nucleotide exchange factor 4; APC-stimulated guanine nucleotide exchange factor 1; Asef; Asef1; KIAA1112; anti-ARHGEF4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	573-599
Sequence Length	690
Applicable Applications for anti-ARHGEF4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.
Preparation and Storage	Store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



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

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF4 antibody	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.
Product Categories/Family for anti-ARHGEF4 antibody	Cell Biology; Signal transduction
References	Lyons, R., et al. Leuk. Res. 34(1):109-115(2010) Kawasaki, Y., et al. J. Biol. Chem. 284(33):22436-22443(2009) Itoh, R.E., et al. J. Cell. Sci. 121 (PT 16), 2635-2642 (2008) : Kurzik-Dumke, U., et al. Cell. Signal. 19(9):1973-1985(2007) Kuraguchi, M., et al. PLoS Genet. 2 (9), E146 (2006) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	15011979
NCBI GeneID	50649
NCBI Accession #	NP_056135.2; NP_127462.1
NCBI GenBank Nucleotide #	NM_015320.3
UniProt Accession #	Q9NR80; Q9HDC6; Q9UPP0
Molecular Weight	79067
NCBI Official Full Name	rho guanine nucleotide exchange factor 4 isoform a
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor (GEF) 4
NCBI Official Symbol	ARHGEF4
NCBI Official Synonym Symbols	ASEF; GEF4; STM6; ASEF1
NCBI Protein Information	rho guanine nucleotide exchange factor 4
UniProt Protein Name	Rho guanine nucleotide exchange factor 4

UniProt Gene Name	ARHGEF4
UniProt Synonym Gene Names	KIAA1112; Asef; Asef1
UniProt Entry Name	ARHG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arhgef4-antibody-western-blot-elisa/288130>