

Rabbit ARHGEF3 Polyclonal Antibody | anti-ARHGEF3 antibody

ARHGEF3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284817	Rabbit	Human (Predicted Reactivity: Chicken, Monkey, Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ARHGEF3; Polyclonal Antibody; ARHGEF3 Antibody (Center); Rho guanine nucleotide exchange factor 3; Exchange factor found in platelets and leukemic and neuronal tissues; XPLN; anti-ARHGEF3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Monkey, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARHGEF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-240 amino acids from the Central region of human ARHGEF3.
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	211-240
Sequence Length	324
Applicable Applications for anti-ARHGEF3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

ARHGEF3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ARHGEF3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

ARHGEF3 Antibody (Center) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the ARHGEF3 antibody detected the ARHGEF3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF3 antibody	Rho-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ARHGEF3 antibody	Signal Transduction
References	Arthur, W.T., et al. J. Biol. Chem. 277(45):42964-42972(2002) Harrington, A.W., et al. J. Neurosci. 22(1):156-166(2002) Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000) Thiesen, S., et al. Biochem. Biophys. Res. Commun. 273(1):364-369(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	190885495
NCBI GeneID	50650
NCBI Accession #	NP_001122087.1; NP_001122088.1; NP_062455.1
NCBI GenBank Nucleotide #	NM_001128615.1
UniProt Accession #	Q9NR81; Q4FZB6; Q4QQI5; Q4QQQ0; Q59F00; Q6NUN3; Q7Z4U2; Q7Z5T2; Q9H7T4; A8K5U7
Molecular Weight	59783
NCBI Official Full Name	rho guanine nucleotide exchange factor 3 isoform 1
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor (GEF) 3
NCBI Official Symbol	ARHGEF3
NCBI Official Synonym Symbols	GEF3; STA3; XPLN
NCBI Protein Information	rho guanine nucleotide exchange factor 3
UniProt Protein Name	Rho guanine nucleotide exchange factor 3
UniProt Gene Name	ARHGEF3
UniProt Synonym Gene Names	XPLN
UniProt Entry Name	ARHG3_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.