

ARHGEF3 polyclonal antibody (A01)

Catalog # H00050650-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ARHGEF3.
Immunogen	ARHGEF3 (NP_062455, 33 a.a. ~ 142 a.a) partial recombinant protein with GST tag.
Sequence	EPSNKRVKPLSRVTSLANLIPPVKATPLKRFSQTLQRSISFRSESRPDILAPRPWSRNAAPSSTKR RDSKLWSETFDVCVNQMLTSKEIKRQEAFELSQGEEDLIEDLK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — ARHGEF3

Entrez GeneID	50650
GeneBank Accession#	NM_019555
Protein Accession#	NP_062455
Gene Name	ARHGEF3

Gene Alias	DKFZp434F2429, FLJ98126, GEF3, MGC118905, STA3, XPLN
Gene Description	Rho guanine nucleotide exchange factor (GEF) 3
Gene Ontology	Hyperlink
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	59.8 kDa protein Rho guanine nucleotide exchange factor 3 RhoGEF protein exchange factor found in platelets and leukemic and neuronal tissues, XPLN

Publication Reference

- [ARHGEF3 controls HDACi-induced differentiation via RhoA-dependent pathways in acute myeloid leukemias.](#)

D'Amato L, Dell'Aversana C, Conte M, Ciotta A, Scisciola L, Carissimo A, Nebbioso A, Altucci L.

Epigenetics 2015 Jan; 10(1):6.

Application: IF, WB-Ce, Human, U937 cells

Disease

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