

Datasheet

ARHGEF3 polyclonal antibody (A01)

Catalog Number: H00050650-A01

Regulation Status: For research use only (RUO)

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:

EPSNKRVKPLSRVTSLANLIPPVKATPLKRFSQTLQRSI
SFRSESRPDILAPRPWSRNAAPSSTKRRDSKLWSETF
DVCVNQMLTSKEIKRQEAIFELSQQEEDLIEDLK

Host: Mouse

Reactivity: Human

Applications: ELISA

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 50650

Gene Symbol: ARHGEF3

Gene Alias: DKFZp434F2429, FLJ98126, GEF3, MGC118905, STA3, XPLN

Gene Summary: 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]