ARHGEF3 mouse monoclonal antibody (hybridoma)

Catalog # H00050650-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ARHGEF3.
Immunogen	ARHGEF3 (AAH99715.1, 1 a.a. ~ 324 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKLPCLSSYDSYCSNQVAAKALLDHKKQDHRVQDFLQRCLESPFSRKLDLWNFLDIPRSRLVKY PLLLREILRHTPNDNPDQQHLEEAINIIQGIVAEINTKTGESECRYYKERLLYLEEGQKDSLIDSSRVV CCHGELKNNRGVKLHVFLFQEVLVITRAVTHNEQLCYQLYRQPIPVKDLLLEDLQDGEVRLGGSLR GAFSNNERIKNFFRVSFKNGSQSQTHSLQANDTFNKQQWLNCIRQAKETVLCAAGQAGVLDSEG SFLNPTTGSRELQGETKLEQMDQSDSESDCSMDTSEVSLDCERMEQTDSSCGNSRHGESNV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ARHGEF3

Entrez GeneID	50650
GeneBank Accession#	BC099715.1
Protein Accession#	AAH99715.1
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	Rho-like GTPases are involved in a variety of cellular processes, and they are activated by bindin g GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine n ucleotide 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 spe cifically 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 t he determination of bone mineral density (BMD), indicating the implication of this gene in postme nopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	59.8 kDA protein|Rho guanine nucleotide exchange factor 3|RhoGEF protein|exchange factor fou nd in platelets and leukemic and neuronal tissues, XPLN

Disease

- Angina Pectoris
- Coronary Vasospasm
- Genetic Predisposition to Disease
- Osteoporosis
- Tobacco Use Disorder