

DNAxPAb

Hard-to-Find  
Antibody

# ARHGEF3 DNAxPab

Catalog # H00050650-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human ARHGEF3 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                       |
| <b>Technology</b>              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>                | MKLPCLSYDSYCSNQVAAKALLDHKKQDHRVQDFLQRCLESPFSRKLDLWNFLDIPRSRLVKY<br>PLLLREILRHTPNNDPDQQHLEEAINIQQGVAEINTKTGESECRYKERLLYLEEGQKDSLIDSSRVV<br>CCHGELKNNRGVKLHVFLFQEVLVITRAVTHNEQLCYQLYRQPIVKDLLLEDLQDGEVRLGGSLR<br>GAFSNNERIKNFFRVSFKNQSQSQTHSLQANDTFNKQQWLNCRQAKETVLCAGQAGVLDSEG<br>SFLNPTTGSRELQGETKLEQMDQSDSESDCSMDTSEVSLDCERMEQTDSSCGNSRHGESNV |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                          |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                                                      |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                       |

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## 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 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]

**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

## Disease

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- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)