

ARHGEF6 rabbit monoclonal antibody

Catalog # H00009459-K Size 100 ug x up to 3

Specification

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|--------------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against a human ARHGEF6 peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human ARHGEF6 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human ARHGEF6 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ARHGEF6

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|---------------------|---|
| Entrez GeneID | 9459 |
| GeneBank Accession# | ARHGEF6 |
| Gene Name | ARHGEF6 |
| Gene Alias | COOL2, Cool-2, KIAA0006, MRX46, PIXA, alpha-PIX, alphaPIX |
| Gene Description | Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 |
| Omim ID | 300267 300436 |
| Gene Ontology | Hyperlink |
| Gene Summary | Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-chromosomal non-specific mental retardation. [provided by RefSeq] |
| Other Designations | OTTHUMP00000062283 PAK-interacting exchange factor, alpha Rac/Cdc42 guanine exchange factor (GEF) 6 Rac/Cdc42 guanine nucleotide exchange factor 6 mental retardation, X-linked 46 rho guanine nucleotide exchange factor 6 |

Pathway

- [Pancreatic cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Angina Pectoris](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)