

MYOC rabbit monoclonal antibody

Catalog # H00004653-K Size 100 ug x up to 3

Specification

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| Product Description | Rabbit monoclonal antibody raised against a human MYOC peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human MYOC 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 MYOC 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 — MYOC

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| Entrez GeneID | 4653 |
| GeneBank Accession# | MYOC |
| Gene Name | MYOC |
| Gene Alias | GLC1A, GPOA, JOAG, JOAG1, TIGR, myocilin |
| Gene Description | myocilin, trabecular meshwork inducible glucocorticoid response |
| Omim ID | 137750 601652 |
| Gene Ontology | Hyperlink |
| Gene Summary | MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many ocular tissues, including the trabecular meshwork, and was revealed to be the trabecular meshwork glucocorticoid-inducible response protein (TIGR). The trabecular meshwork is a specialized eye tissue essential in regulating intraocular pressure, and mutations in MYOC have been identified as the cause of hereditary juvenile-onset open-angle glaucoma. [provided by RefSeq] |
| Other Designations | OTTHUMP00000032681 mutated trabecular meshwork-induced glucocorticoid response protein myocilin |

Disease

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- [Glaucoma](#)
- [Hypertension](#)
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- [Retinal Diseases](#)