

CASQ2 rabbit monoclonal antibody

Catalog # H00000845-K

Size 100 ug x up to 3

Specification

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|--------------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against a human CASQ2 peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human CASQ2 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 CASQ2 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 — CASQ2

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|---------------------|---|
| Entrez GeneID | 845 |
| GeneBank Accession# | CASQ2 |
| Gene Name | CASQ2 |
| Gene Alias | FLJ26321, FLJ93514, PDIB2 |
| Gene Description | calsequestrin 2 (cardiac muscle) |
| Omim ID | 114251 604772 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this gene cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest. [provided by RefSeq] |
| Other Designations | OTTHUMP00000013749 calsequestrin 2, fast-twitch, cardiac muscle cardiac calsequestrin 2 |

Disease

- [Death](#)