

## Rabbit anti-Human CASQ2 Polyclonal Antibody | anti-CASQ2 antibody

CASQ2 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA233924</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

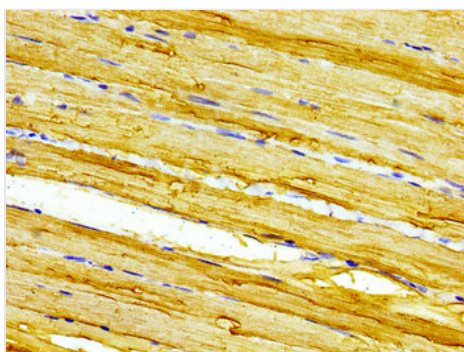
### PRODUCT SYNONYMS

CASQ2; Polyclonal Antibody; CASQ2 Antibody; Calsequestrin-2; Calsequestrin; cardiac muscle isoform; anti-CASQ2 antibody

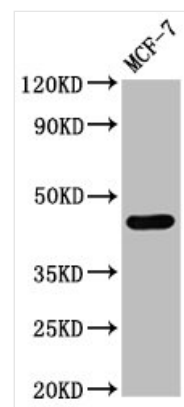
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                           |
| Reactivity                                      | Human                                                                            |
| Clonality                                       | Polyclonal                                                                       |
| Isotype                                         | IgG                                                                              |
| Purity/Purification                             | >95%, Protein G purified                                                         |
| Form/Format                                     | Liquid                                                                           |
| Sequence Length                                 | 399                                                                              |
| Applicable Applications for anti-CASQ2 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                             |
| Immunogen                                       | Recombinant Human Calsequestrin-2 protein (219-300AA)                            |
| Conjugation                                     | Non-conjugated                                                                   |
| Buffer                                          | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA233924 at dilution of 1:100


**WB (Western Blot)**

Western BlotPositive WB detected in: MCF-7 whole cell lysateAll lanes: CASQ2 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 47, 39 KDaObserved band size: 47 KDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CASQ2 antibody | Calsequestrin is a high-capacity, moderate affinity, calcium-binding protein and thus acts as an internal calcium store in muscle. Calcium ions are bound by clusters of acidic residues at the protein surface, especially at the interface between subunits. Can bind around 60 Ca(2+) ions. Regulates the release of luminal Ca(2+) via the calcium release channel RYR2; this plays an important role in triggering muscle contraction. Plays a role in excitation-contraction coupling in the heart and in regulating the rate of heart beats. |
| Product Categories/Family for anti-CASQ2 antibody   | Cancer; Cardiovascular; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 119395727                              |
| NCBI GeneID                      | 845                                    |
| NCBI Accession #                 | NP_001223.2                            |
| NCBI GenBank Nucleotide #        | NM_001232.3                            |
| UniProt Accession #              | O14958; Q5T1D2; Q8TBW8; B2R7M6; B4DIB0 |
| Molecular Weight                 | 38,269 Da                              |
| NCBI Official Full Name          | calsequestrin-2                        |
| NCBI Official Synonym Full Names | calsequestrin 2                        |
| NCBI Official Symbol             | CASQ2                                  |
| NCBI Official Synonym Symbols    | PDIB2                                  |
| NCBI Protein Information         | calsequestrin-2                        |
| UniProt Protein Name             | Calsequestrin-2                        |
| UniProt Gene Name                | CASQ2                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/casq2-antibody-immunohistochemistry-western-blot-elisa/233924>