

## CASQ1 Conjugated Antibody

Catalog No: #C46407



Package Size: #C46407-AF350 100ul #C46407-AF405 100ul #C46407-AF488 100ul  
 #C46407-AF555 100ul #C46407-AF594 100ul #C46407-AF647 100ul  
 #C46407-AF680 100ul #C46407-AF750 100ul #C46407-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | CASQ1 Conjugated Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Species Reactivity    | Hu   |
| Specificity           | The antibody detects endogenous levels of total CASQ1 protein.   |
| Immunogen Description | Synthetic protein corresponding to residues near the C terminal of human CASQ1   |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | CASQ; PDIB1; VMCQA   |
| Accession No.         | Swiss-Prot#:P31415NCBI Gene ID:844NCBI Protein#:BC022289   |
| Uniprot               | P31415   |
| GeneID                | 844;   |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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This gene encodes the skeletal muscle specific member of the calsequestrin protein family. Calsequestrin functions as a luminal sarcoplasmic reticulum calcium sensor in both cardiac and skeletal muscle cells. This protein, also known as calmitine, functions as a calcium regulator in the mitochondria of skeletal muscle. This protein is absent in patients with Duchenne and Becker types of muscular dystrophy.?

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Note: This product is for in vitro research use only