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**Product Name: Caveolin-3 (1901) Rabbit Monoclonal Antibody****Catalog #: AMRe08023**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody   |
| <b>Host</b>          | Rabbit   |
| <b>Application</b>   | WB,IHC,IP  |
| <b>Reactivity</b>    | Human,Mouse,Rat  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Modification</b>  | Unmodified   |
| <b>Isotype</b>       | IgG  |
| <b>Clonality</b>     | Monoclonal   |
| <b>Form</b>          | Liquid   |
| <b>Concentration</b> | 0.25mg/ml. The concentration of this product may be batch-dependent.   |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.  |
| <b>Shipping</b>      | Ice bags   |
| <b>Buffer</b>        | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Purification</b>  | Affinity purification  |

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:1000-1:5000,IHC 1:500-1:2000,IP 1:10-1:100 |
| <b>Molecular Weight</b> | 17kDa   |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | CAV3                                    |
| <b>Alternative Names</b> | CAV3; M-caveolin; Caveolin 3; VIP21;    |
| <b>Gene ID</b>           | 859.0                                   |
| <b>SwissProt ID</b>      | P56539                                  |
| <b>Immunogen</b>         | A synthetic peptide of human Caveolin-3 |

**Background**

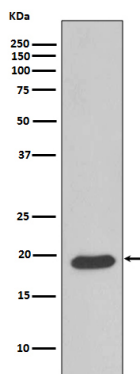
Caveolin-3 may act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and

can functionally regulate their activity. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress. May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. May also regulate voltage-gated potassium channels. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress (By similarity). Mediates the recruitment of CAVIN2 and CAVIN3 proteins to the caveolae (PubMed:19262564).

## Research Area

Signal Transduction; Metabolism; Plasma Membrane; Channels; Protein Trafficking; Golgi Proteins; Vitamins / Minerals; Cardiovascular; Heart; Cardiac metabolism; Hypertrophy; Developmental Biology; Organogenesis; Skeletal development; Muscle; Neuroscience

## Image Data



Western blot analysis of Caveolin 3 expression in Human fetal heart lysate.