

Calsequestrin 1 polyclonal antibody

Catalog: BS90175

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Calsequestrin (CS, also known as CSQ) is the major calcium-binding protein of cardiac and skeletal muscle whose function is to sequester calcium in the lumen of the sarcoplasmic reticulum (SR). In mammals, there are two forms of this protein, calsequestrin 1 and calsequestrin 2, which encode fast-twitch skeletal muscle and cardiac calsequestrin, respectively. Calsequestrin 1, also known as Calmitin, is located in the terminal cisternae luminal spaces of the SR of fast skeletal muscle cells. Calsequestrin 2 is present in terminal cisternae luminal spaces of the SR of both cardiac and slow skeletal muscle cells. In addition, calsequestrin regulates the ryanodine receptor signaling (RyR) through Triadin and Junctin.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

45 kDa

Swiss-Prot:

P31415(Human) O09165(Mouse) P19633(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

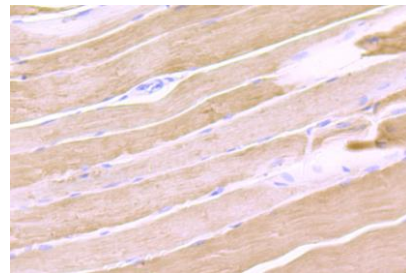
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

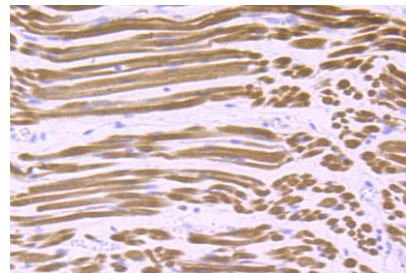
Specificity:

Calsequestrin 1 polyclonal antibody detects endogenous levels of Calsequestrin 1 protein.

DATA:



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-Calsequestrin 1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-Calsequestrin 1 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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