

bs-20346R**[Primary Antibody]**

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Calsequestrin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 40 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 844	SWISS: P31415	
Target: Calsequestrin		
Immunogen: KLH conjugated synthetic peptide derived from human Calsequestrin: 1-100/396.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The sarcoplasmic reticulum (SR) is, in part, responsible for maintaining the level of intracellular calcium in cardiac and skeletal muscle by storing and releasing calcium. Several intralumenal SR calcium binding proteins have been identified, the most prominent of these is calsequestrin. Calsequestrin is a calcium binding protein known to sequester calcium accumulated in the sarcoplasmic reticulum of muscle cells during relaxation and is found discretely localized to the junctional and corbular (terminal cisternae) SR. Calsequestrin functions to localize calcium near the junctional face of the terminal cisternae from which calcium can be released into the cytosol via the ryanodine receptor. This protein is highly acidic and has a large capacity and moderate to low affinity for calcium.		