

Calreticulin Polyclonal Antibody

CATALOG #:	3077-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Human Calreticulin (C-terminal synthetic peptide)
SPECIES REACTIVITY:	human, mouse, rat

ANTIBODY FORMULATION:

100 µg (200 µg/ml) protein A purified antibody in PBS containing 1 mg/ml BSA, 1.5 mM sodium azide and 50% glycerol.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

Calreticulin is a calcium binding protein found in abundance in the endoplasmic reticulum and the sarcoplasmic reticulum. Like many other ER proteins, it has the conserved ER retention KDEL (Lys-Asp-Glu-Leu) sequence at its C-terminus. Calreticulin has also been detected in the nucleus and nuclear envelope. Recent studies suggest that this soluble ER protein has a multifunctional role as it appears to be involved in calcium storage and regulation as well as having a molecular chaperone activity. Studies also suggest its involvement in certain autoimmune diseases. Consistent with its multiple functions the calreticulin molecule appears to have a zonal character. The protein has both high and low affinity calcium binding sites.

APPLICATIONS AND USAGE:

Western blot analysis (0.5-2 µg/ml) and Immunohistochemistry. However, the optimal conditions should be determined individually.

SPECIFICITY: Recognizes a 60 kDa calreticulin on SDS-PAGE immunoblots. NIH/3T3 cell lysate can be used as a positive control.

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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
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