CALR
Rabbit Anti-Human Calreticulin pAb

Catalog No.	CPC134	**Quantity:**	100 µg

Alternate Names: CRT, FLJ26680, RO, SSA, cC1qR, Sicca syndrome antigen A (autoantigen Ro; calreticulin), autoantigen Ro

Description: Rabbit Anti-Human Calreticulin polyclonal antibody. 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 envelop. 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.

Concentration: 0.2 mg/ml

Gene ID: 811

Specificity: Recognizes a 60 kDa calreticulin on SDS-PAGE immunoblots.

Host: Rabbit

Immunogen: Synthetic peptide mapping to the C-terminus of human calreticulin

Isotype: IgG

Formulation: Liquid in PBS + 30% glycerol + 0.5 mg/ml BSA + 0.01% thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: Affinity purified

Reconstitution: The antibody solution should be gently mixed before use.

Cross-Reactivity: Human, mouse, and rat

Applications: Western Blot
Immunohistochemistry

Application Notes: For Western Blot, use a working dilution of 0.5-4 µg/ml.
For Immunoprecipitation, use a working dilution of 10-20 µg/ml.
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store at -20°C or in working aliquots at -80°C for long term storage. **Avoid repeated freeze-thaw cycles.**

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