

CALR

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IF IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:20 - 1:100 IF 1:20 - 1:100
IP 1:20 - 1:100

Calculated MW: 60kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human CALR

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bj

Synonym:

CALR;CRT;FLJ26680;RO;SSA;cC1qR ;

Catalog #: A1066

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 811

Isotype: IgG

Swiss Prot: P27797

Purity: Affinity purification

For research use only.

Background:

Calcium is a universal signaling molecule involved in many cellular functions such as cell motility, metabolism, protein modification, protein folding and apoptosis. Calcium is stored in the endoplasmic reticulum (ER), where it is buffered by calcium binding chaperones such as calnexin and calreticulin, and is released via the IP3 Receptor (1). Calreticulin also functions as an ER chaperone that ensures proper folding and quality control of newly synthesized glycoproteins. As such, calreticulin presumably does not alter protein folding but ensures proper timing for efficient folding and subunit assembly. Furthermore, calreticulin retains proteins in non-native conformation within the ER and targets them for degradation (2,3).

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