

# Calreticulin Rabbit pAb

Cat No: HR1APEA366

For research use only

## Overview

Product Name	Calreticulin Rabbit pAb
Source	Rabbit
Applications	WB
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	WB 1:500-1,000
Immunogen	
Species	Rabbit
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1mg/ml
Observed band	55kDa
GeneID?Human?	811
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CALR, Calregulin, cC1qR, CRP55, CRT, CRTC, ERp60, grp60, HACBP, RO, SSA
Background	<p>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 channel . 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 regulates proper timing for efficient folding and subunit assembly. Furthermore, calreticulin retains proteins in non-native conformation within the ER and targets them for degradation .</p>