

## Calreticulin

Cat.No. 315 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 500 up to 1 : 1000 <b>IHC:</b> 1 : 200 <b>IHC-P/FFPE:</b> 1 : 200 up to 1 : 2000
Immunogen	Recombinant protein corresponding to AA 341 to 416 from mouse Calreticulin (UniProt Id: P14211)
Reactivity	Reacts with: rat (P18418), mouse (P14211). Other species not tested yet.
Specificity	Specific for calreticulin.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

The abundantly expressed protein **calreticulin** is a calcium-binding lectin that locates to the endoplasmatic reticulum (ER). It is involved in quality control of protein processing in the ER via the calreticulin/calnexin cycle. Calreticulin is also referred to as CRP55, calregulin, HACBP and ERp60.

### Selected General References

Getting in and out from calnexin/calreticulin cycles.  
Caramelo JJ, Parodi AJ  
The Journal of biological chemistry (2008) 283(16): 10221-5.

Regulation of expression and intracellular distribution of calreticulin, a major calcium binding protein of nonmuscle cells.  
Opas M, Dziak E, Fliegel L, Michalak M  
Journal of cellular physiology (1991) 149(1): 160-71.