

## Product datasheet for TA329123

### Calreticulin (CALR) Rabbit Polyclonal Antibody

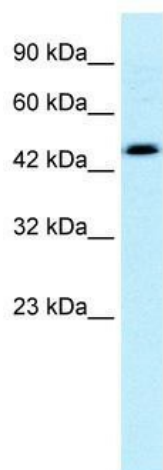
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CALR antibody: synthetic peptide directed towards the C terminal of human CALR. Synthetic peptide located within the following region: FGNETWGVTKAAEKQMKDKQDEEQRLKEEEEDKKRKEEEEAEDKEDDEDK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	calreticulin
Database Link:	<a href="#">NP_004334</a> <a href="#">Entrez Gene 811 Human P27797</a>
Background:	Calreticulin is a multifunctional protein that acts as a major Ca(2+)-binding (storage) protein in the lumen of the endoplasmic reticulum. It is also found in the nucleus, suggesting that it may have a role in transcription regulation. Calreticulin binds to the synthetic peptide KLGFFKR, which is almost identical to an amino acid sequence in the DNA-binding domain of the superfamily of nuclear receptors. Calreticulin binds to antibodies in certain sera of systemic lupus and Sjogren patients which contain anti-Ro/SSA antibodies, it is highly conserved among species, and it is located in the endoplasmic and sarcoplasmic reticulum where it may bind calcium.



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<b>Synonyms:</b>	cC1qR; CRT; HEL-S-99n; RO; SSA
<b>Note:</b>	Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Rabbit: 93%; Yeast: 92%; Goat: 86%; Zebrafish: 79%
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transcription Factors
<b>Protein Pathways:</b>	Antigen processing and presentation

**Product images:**

WB Suggested Anti-CALR Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HepG2 cell lysate. CALR is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells