

## CALR RABBIT PAB

**Cat.#:** S216544

**Product Name:** Anti-CALR Rabbit Polyclonal Antibody

**Synonyms:** RO; CRT; SSA; cC1qR

**UNIPROT ID:** P27797 (Gene Accession - BC002500 )

**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. The amino terminus of calreticulin interacts with the DNA-binding domain of the glucocorticoid receptor and prevents the receptor from binding to its specific glucocorticoid response element.

**Immunogen:** Fusion protein of human CALR

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 1000-5000;ELISA: 2000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

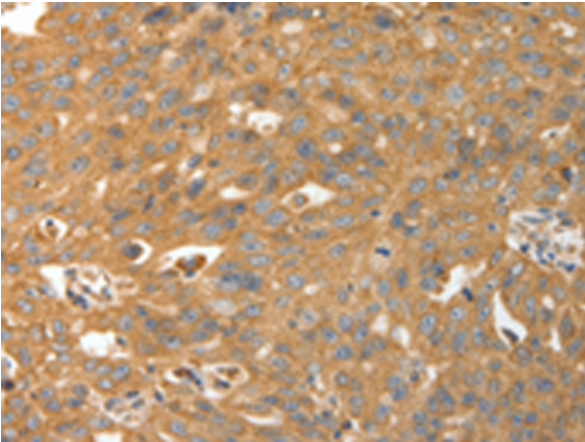
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

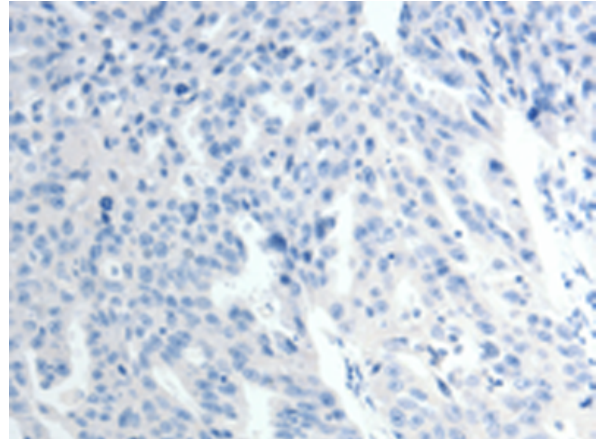
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

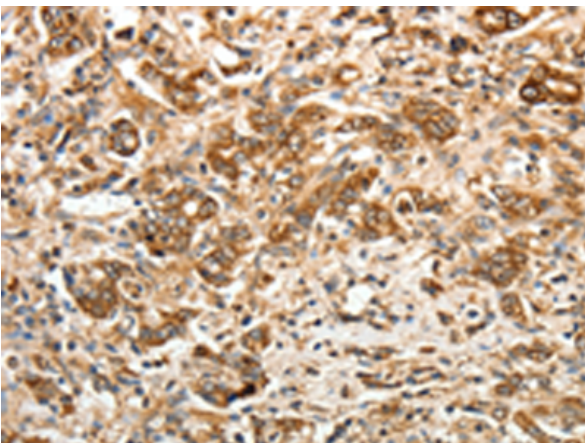
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



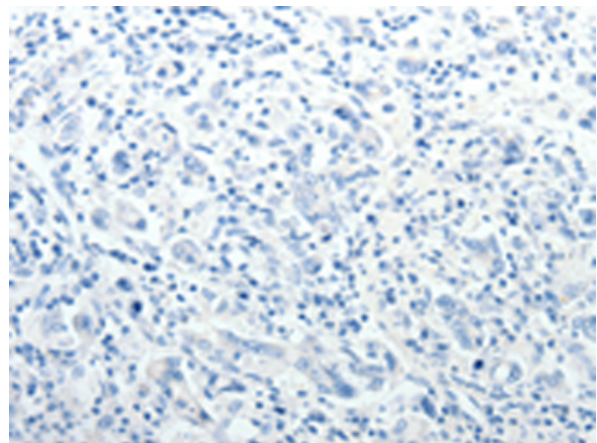
Immunohistochemistry analysis of paraffin embedded Human ovarian cancer tissue using 216544(CALR Antibody) at a dilution of 1/30(Cytoplasm ).



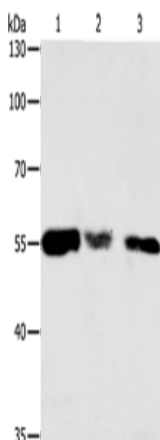
In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with the fusion protein and then with 216544(Anti-CALR Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 216544(Anti-CALR Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with fusion protein and then with D220723(Anti-CALR Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 40 µg;  
Lane 1-3: Hela cells, 293T cells, NIH/3T3 cells;  
Primary antibody: 216544(CALR Antibody) at dilution 1/500;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 30 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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