

**DATASHEET**

Version: 2016-08-17

**Calreticulin Antibody, pAb, Rabbit****Cat. No.:** A01443-40**Size:** 40 µg**Synonyms:** Rabbit Anti-CALR antibody;**Description:**

Calreticulin is a multifunctional protein that serves as a major Ca<sup>2+</sup>-binding protein in the lumen of the endoplasmic reticulum. It binds to the synthetic peptide KLGFFKR, which is almost identical to an amino acid sequence in the DNA-binding domain of nuclear receptors. 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. Calreticulin also serves as a recognition and clearance ligand by activating the internalization receptor LRP1 on the responding phagocyte cell surface.

GenScript **Rabbit Anti-Calreticulin Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide from C-terminal of human Calreticulin (Swiss Prot: P27797).

**Immunogen:** KLH-coupled synthetic peptide from C-terminal of human Calreticulin (Swiss Prot: P27797).

**Host:** Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

**Ig Subclass:** Rabbit IgG

**Specificity:** GenScript Rabbit Anti-Calreticulin Polyclonal Antibody detects endogenous levels of human Calreticulin. It is predicted to react with mouse and rat Calreticulin according to sequence homology.

**Positive Control:** Hela and HepG2**Purification:** Immunoaffinity chromatography.**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**Western blot:** 0.5-1 µg/ml**Other Applications:** user-optimized

**Species Reactivity:** Human. This product has not been tested for other species yet.

**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

**Storage:**

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.