



Mouse Monoclonal Antibody **Calreticulin** conjugated to Sepharose Beads

CatalogNo: **ANT8162-M**

Size 200ul

Storage Store at 4 °C for frequent use

#### Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

**Calreticulin (ANT0056R) Rabbit mAb**

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IHC, IF, IP, ELISA

#### Applications

#### MW

- 48kD (Calculated)
- 55kD (Observed)

#### Isotype

- IgG, Kappa

## Recommended Dilution Ratios

Basic Information

Clonality	Monoclonal
Clone Number	ANT0056R

Immunogen Information

Specificity Endogenous

Gene name CALR  
Protein Name Calreticulin

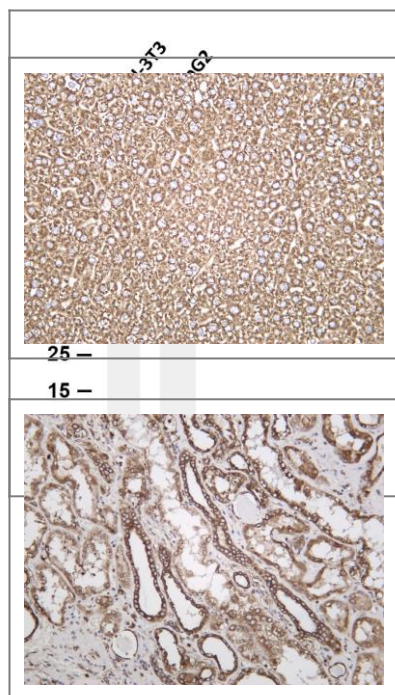
Organism	Gene ID	UniProt ID
Human	<a href="#">811</a> ;	<a href="#">P27797</a> ;
Mouse	<a href="#">12317</a> ;	<a href="#">P14211</a> ;
Rat	<a href="#">64202</a> ;	<a href="#">P18418</a> ;

Cellular Localization Cytoplasm

Tissue specificity Brain,Cajal-Retzius cell,Colon carcinoma,Eye,Fetal brain cortex,Keratinocyte,Liver,Pancreas

**Function** Caution:Was originally (PubMed:2332496) thought to be the 52 kDa Ro autoantigen.,Domain:Associates with PDIA3 through the tip of the extended arm formed by the P-domain.,Domain:Can be divided into a N-terminal globular domain, a proline-rich Pdomain forming an elongated arm-like structure and a C-terminal acidic domain. The Pdomain binds one molecule of calcium with high affinity, whereas the acidic C-domain binds multiple calcium ions with low affinity.,Domain:The interaction with glycans occurs through a binding site in the globular lectin domain.,Domain:The zinc binding sites are localized to the N-domain.,Function:Molecular calcium binding chaperone promoting folding, oligomeric assembly and quality control in the ER via the calreticulin/calnexin cycle. This lectin interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. Interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export.,mass spectrometry: PubMed:11149926,online information:Calreticulin,online information:Calreticulin entry,similarity:Belongs to the calreticulin family.,subcellular location:Also found in cell surface (T cells), cytosol and extracellular matrix. Associated with the lytic granules in the cytolytic Tlymphocytes.,subunit:Monomer. Component of an EIF2 complex at least composed of CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5. Interacts with PDIA3/ERp57 and with NR3C1.,

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Calreticulin (ANT0056R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: HepG2  
Predicted band size: 48kDa Observed band size: 55kDa

Mouse liver was stained with Anti-Calreticulin (ANT0056R) rabbit antibody

Human kidney was stained with Anti-Calreticulin (ANT0056R) rabbit antibody

Human stomach was stained with Anti-Calreticulin (ANT0056R) rabbit antibody

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