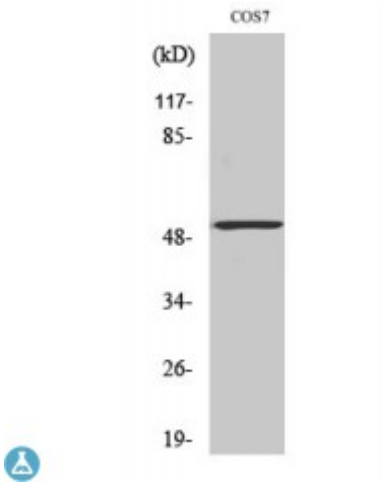
Anti-Calregulin antibody



Description	Rabbit polyclonal to Calregulin.

Model	STJ91985
Host	Rabbit
Reactivity	Human, Mouse, Rat, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Calregulin
Immunogen Region	40-120 aa, N-terminal
Gene ID	811
Gene Symbol	CALR
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	Calregulin Polyclonal Antibody detects endogenous levels of Calregulin protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calreticulin CRP55 Calregulin Endoplasmic reticulum resident protein 60 ERp60 HACBP grp60
Molecular Weight	48 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1455OMIM:109091
Alternative Names	Calreticulin CRP55 Calregulin Endoplasmic reticulum resident protein 60 ERp60 HACBP grp60
Function	Calcium-binding chaperone that promotes folding, oligomeric assembly and quality control in the endoplasmic reticulum (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. Involved in maternal gene expression regulation. May participate in oocyte maturation via the regulation of calcium homeostasis .
Sequence and Domain Family	Can be divided into a N-terminal globular domain, a proline-rich P-domain forming an elongated arm-like structure and a C-terminal acidic domain. The P-domain binds one molecule of calcium with high affinity, whereas the acidic C-domain binds multiple calcium ions with low affinity.; The interaction with glycans occurs through a binding site in the globular lectin domain.; The zinc binding sites are localized to the N-domain.; Associates with PDIA3 through the tip of the extended arm formed by the P-domain.
Cellular Localization	Endoplasmic reticulum lumen Cytoplasm, cytosol Secreted, extracellular space, extracellular matrix Cell surface Sarcoplasmic reticulum lumen. Also found in cell surface (T cells), cytosol and extracellular matrix . Associated with the lytic granules in the cytolytic T-lymphocytes.