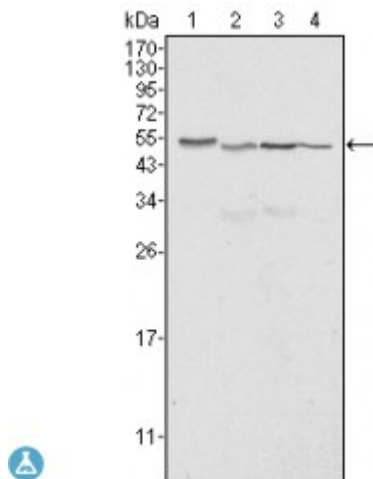


Anti-Calregulin antibody (KLH)



Description	Mouse monoclonal to Calregulin (KLH).
Model	STJ97892
Host	Mouse
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Calreticulin, conjugated to KLH.
Gene ID	811
Gene Symbol	CALR
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000
Specificity	Calregulin Monoclonal Antibody detects endogenous levels of Calregulin protein.
Purification	Affinity purification
Clone ID	1G6A7
Note	For Research Use Only (RUO).
Protein Name	Calreticulin CRP55 Calregulin Endoplasmic reticulum resident protein 60 ERp60 HACBP grp60
Clonality	Monoclonal
Conjugation	KLH
Isotype	IgG2a

Formulation	Ascitic fluid containing 0.03% sodium azide.
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.