DATASHEET

Calreticulin Mouse Monoclonal Antibody(C3749)

CAT. NO. AMA03361

KEY FEATURES

Target	Calreticulin	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

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 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Calreticulin
Specificity	Recognizes endogenous levels of Calreticulin protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Calreticulin. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 48 kD; Observed: 55 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CRTC; Calreticulin; CRP55; Calregulin; Endoplasmic reticulum resident protein 60; ERp60; HACBP; grp60
Gene Symbol	CALR
Entrez Gene	811(Human); 12317(Mouse); 64202(Rat)
SwissProt	P27797(Human); P14211(Mouse); P18418(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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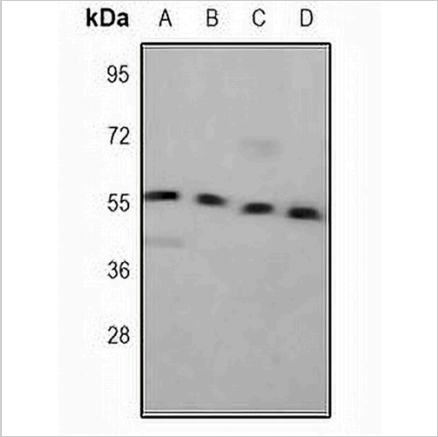
DATA



Western blot analysis of Calreticulin expression in K562 (A), NIH3T3 (B), C6 (C), CHO (D) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 55 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.