



Calreticulin Antibody [CR213-2AG]

CATALOG NUMBER: 36-080

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: (direct and indirect: 1:2,000-1:5,000). Western Blot: (1:2,000-1:5,000 using ECL. Suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions must be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human calreticulin.
IMMUNOGEN:	Recombinant human calreticulin.
HOST SPECIES:	Mouse

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20°C.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CRP55; Calregulin; Endoplasmic Reticulum Resident Protein 60; ERp60; grp60
ACCESSION NO.:	NP_004334
PROTEIN GI NO.:	4757900
OFFICIAL SYMBOL:	CALR
GENE ID:	811

Background

BACKGROUND:	Calreticulin is involved in regulation of intracellular Ca ²⁺ homeostasis and ER Ca ²⁺ capacity. It constitutes together with calnexin and ERp57 the 'calreticulin/calnexin cycle' that is responsible for folding and quality control of newly synthesized glycoproteins. Calreticulin has been implicated to play a role in many biological systems, including functions inside and outside the ER, indicating that the protein is a multi-process molecule.
--------------------	--

FOR RESEARCH USE ONLY