

Datasheet for ABIN759731

anti-Calreticulin antibody (AA 101-200)**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Calreticulin (CALR)
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calreticulin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calreticulin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	Calreticulin (CALR)
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Target Details

Alternative Name:	Calreticulin (CALR Products)
Background:	Synonyms: RO, CRT, SSA, cC1qR, HEL-S-99n, Calreticulin, CRP55, Calregulin, Endoplasmic reticulum resident protein 6, ERp6, HACBP, grp6, CALR, CRTC 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. 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 (By similarity).
Gene ID:	811
UniProt:	P27797
Pathways:	Retinoic Acid Receptor Signaling Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Nuclear Hormone Receptor Binding , ER-Nucleus Signaling , Unfolded Protein Response

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

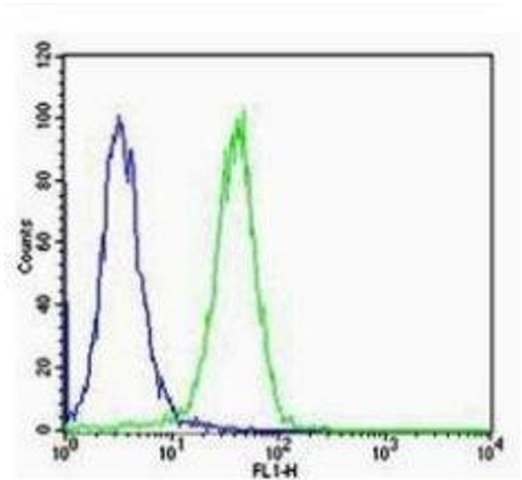
Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

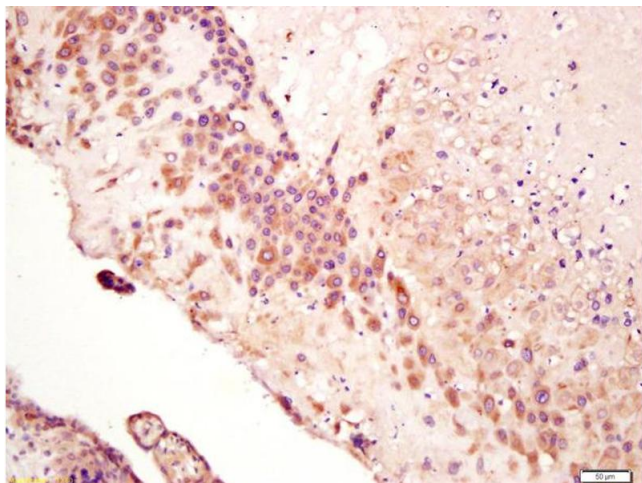
Product cited in:	Tanaka, Kataoka, Yano, Sawada, Akashi, Inoue, Suzuki, Inagaki, Hayashi, Nishie, Shimura, Mizoshita, Mori, Kubota, Tanida, Takahashi, Joh: "Immunogenic cell death due to a new photodynamic therapy (PDT) with glycoconjugated chlorin (G-chlorin)." in: Oncotarget, Vol. 7, Issue 30, pp. 47242-47251, (2016) (PubMed). Chen, Wu, Xu, Xu: "Calreticulin Binds to Fas Ligand and Inhibits Neuronal Cell Apoptosis Induced by Ischemia-Reperfusion Injury." in: BioMed research international, Vol. 2015, pp. 895284, (2015) (PubMed). Angelova, Grekova, Heller, Kuhlmann, Soyka, Giese, Aprahamian, Bour, Rüffer, Cziepluch, Daeffler, Rommelaere, Werner, Raykov, Giese: "Complementary induction of immunogenic cell death by oncolytic parvovirus H-1PV and gemcitabine in pancreatic cancer." in: Journal of virology, Vol. 88, Issue 10, pp. 5263-76, (2014) (PubMed).
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Images



Flow Cytometry

Image 1. HeLa cells probed with Rabbit Anti-Calreticulin Polyclonal Antibody Alexa Fluor 488 Conjugated Secondary.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-Calreticulin Polyclonal Antibody, Unconjugated (ABIN759731) at 1:200 followed by conjugation to the secondary antibody and DAB staining