

Datasheet for ABIN7146564

anti-Calreticulin antibody (AA 18-415)



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3 Images

Overview

Quantity:	100 µg
Target:	Calreticulin (CALR)
Binding Specificity:	AA 18-415
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calreticulin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Calreticulin protein (18-415AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Calreticulin (CALR)
Alternative Name:	CALR (CALR Products)
Background:	Background: Calcium-binding chaperone that promotes folding, oligomeric assembly and quality control in the endoplasmic reticulum (ER) via the calreticulin/calnexin cycle. This lectin

Target Details

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).

Aliases: Autoantigen RO antibody, CALR antibody, CALR protein antibody, CALR_HUMAN antibody, Calregulin antibody, Calreticulin antibody, cC1qR antibody, CRP55 antibody, CRT antibody, CRTc antibody, Endoplasmic reticulum resident protein 60 antibody, Epididymis secretory sperm binding protein Li 99n antibody, ERp60 antibody, FLJ26680 antibody, grp60 antibody, HACBP antibody, HEL S 99n antibody, RO antibody, Sicca syndrome antigen A (autoantigen Ro, calreticulin) antibody, Sicca syndrome antigen A antibody, SSA antibody

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: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

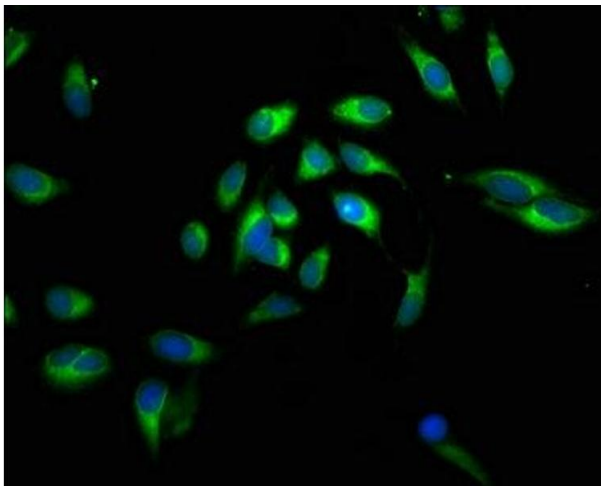
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

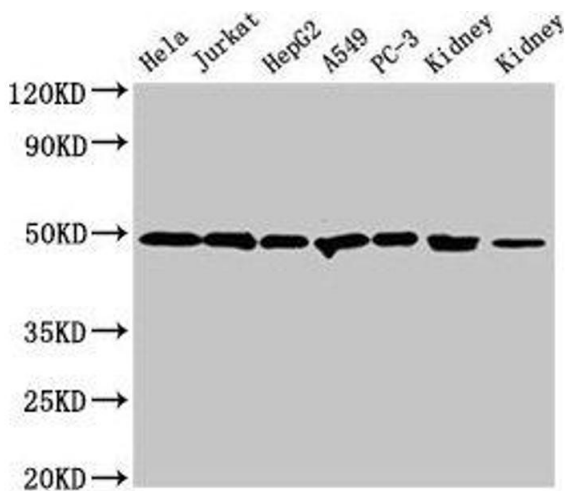
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7146564 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate, Rat kidney tissue, Mouse kidney tissue All lanes: CALR antibody at 2 μ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 49 kDa Observed band size: 49 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7146564 at dilution of 1:100