

Anti-CALR/Calreticulin Antibody

Catalog Number: A00894

About CALR

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.

McCauliffe D.P., J. Clin. Invest. 85:1379-1391(1990).
Rokeach L.A., J. Immunol. 147:3031-3039(1991).
McCauliffe D.P., J. Biol. Chem. 267:2557-2562(1992).

Overview

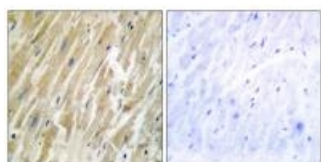
Product Name	Anti-CALR/Calreticulin Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CALR/Calreticulin Antibody (Catalog # A00894). Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P27797

Technical Details

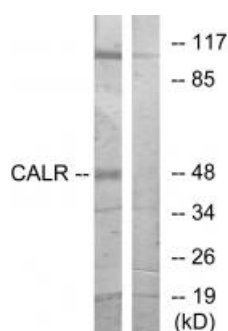
Immunogen	Synthesized peptide derived from internal of human CALR.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p> <p>Immunohistochemistry: 1:50~1:100</p> <p>Immunofluorescence: 1:100~1:500</p>

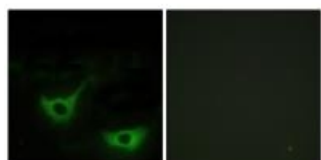
Anti-CALR/Calreticulin Antibody (A00894) Images



Immunohistochemistry analysis of paraffin-embedded human heart tissue using CALR antibody A00894.



Western blot analysis of extracts from COS-7 cells, using CALR antibody A00894.



Immunofluorescence analysis of NIH/3T3 cells, using CALR antibody A00894.

1 Publications Citing This Product

1. PubMed ID: 25695617, Wu C, Dong S, Li Y. Int J Mol Med. 2015 Apr;35(4):893-900. Doi: 10.3892/Ijmm.2015.2105. Epub 2015 Feb 18. Effects Of Mirna-455 On Cardiac Hypertrophy Induced By Pressure Overload.

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