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Anti-Calreticulin Rabbit Monoclonal Antibody

Catalog Number: M00894

About CALR

Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.

Overview

Product Name	Anti-Calreticulin Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Calreticulin Rabbit Monoclonal Antibody catalog # M00894. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal CGO-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	A synthesized peptide derived from human Calreticulin - ER Marker
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200

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Anti-Calreticulin Rabbit Monoclonal Antibody (M00894) Images

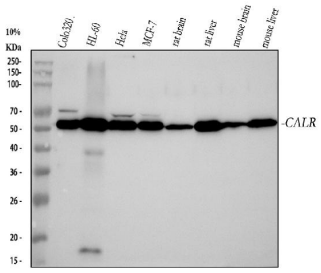
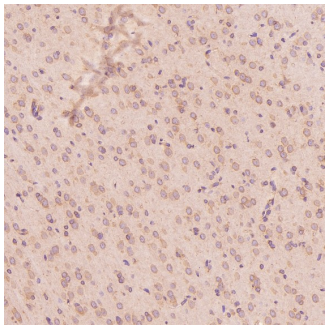
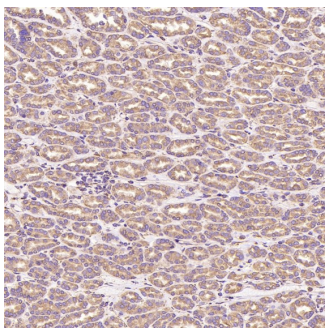


Figure 1. Western blot analysis of Calreticulin using anti-Calreticulin antibody (M00894).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human COLO320 whole cell lysates,
Lane 2: human HL-60 whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human MCF-7 whole cell lysates,
Lane 5: rat brain tissue lysates,
Lane 6: rat liver tissue lysates,
Lane 7: mouse brain tissue lysates,
Lane 8: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Calreticulin antigen affinity purified monoclonal antibody (Catalog # M00894) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Calreticulin at approximately 60 kDa. The expected band size for Calreticulin is at 48 kDa.



Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:150 dilution.



Immunohistochemical analysis of paraffin-embedded Human renal cancer, using the Antibody at 1:150 dilution.

Immunohistochemical analysis of paraffin-embedded Human placenta, using the Antibody at 1:150 dilution.

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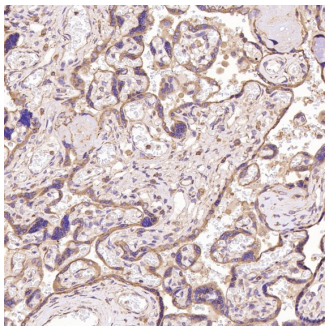
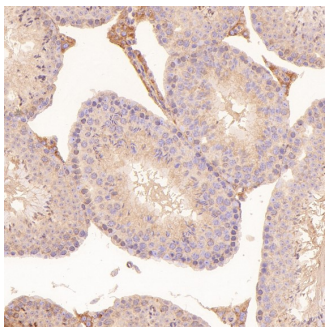
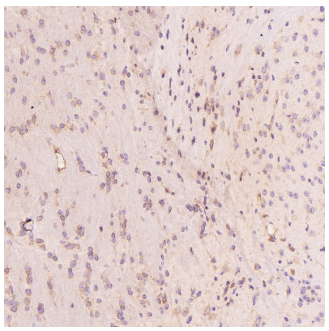
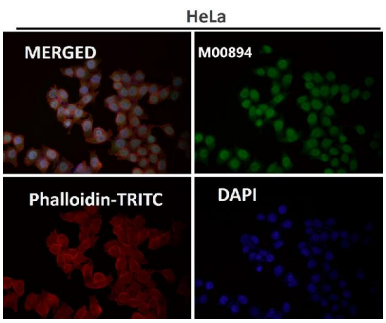




Immunohistochemical analysis of paraffin-embedded Mouse testis, using the Antibody at 1:150 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum, using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

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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