

Anti-Calreticulin Rabbit Monoclonal Antibody

Catalog # ABO14120

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P27797
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Calreticulin Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Other Names	Calreticulin, CRP55, Calregulin, Endoplasmic reticulum resident protein 60, ERp60, HACBP, grp60, CALR (HGNC:1455), CRTC
Calculated MW	48142 Da
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Subcellular Localization	Endoplasmic reticulum lumen. Cytoplasm, cytosol. Secreted, extracellular space, extracellular matrix. Cell surface. Sarcoplasmic reticulum lumen. Also found in cell surface (T cells), cytosol and extracellular matrix (PubMed:10358038). Associated with the lytic granules in the cytolytic T-lymphocytes..
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: CGO-3
Immunogen	A synthesized peptide derived from human Calreticulin - ER Marker
Purification	Affinity-chromatography
Storage	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.

Protein Information

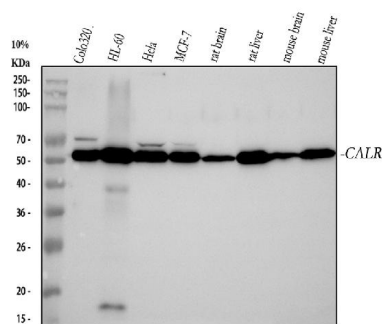


Figure 1. Western blot analysis of Calreticulin using anti-Calreticulin antibody (M00894). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

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,

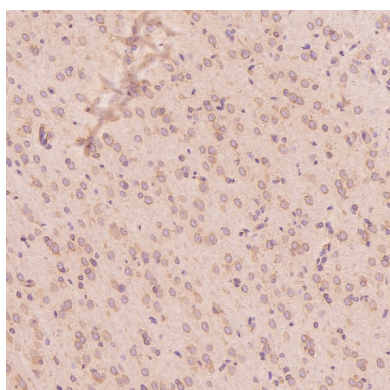
Lane 5: rat brain tissue lysates,

Lane 6: rat liver tissue lysates,

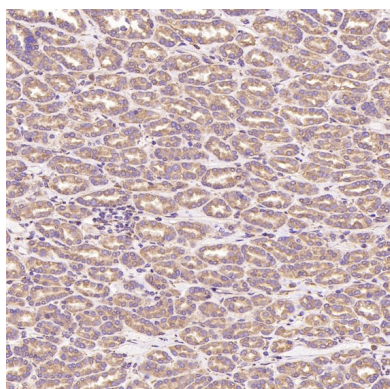
Lane 7: mouse brain tissue lysates,

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.

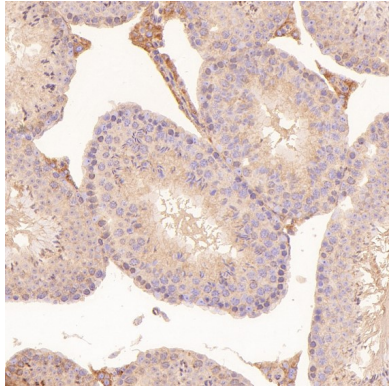
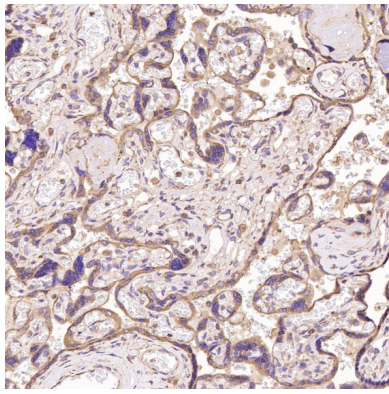


Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:150 dilution.

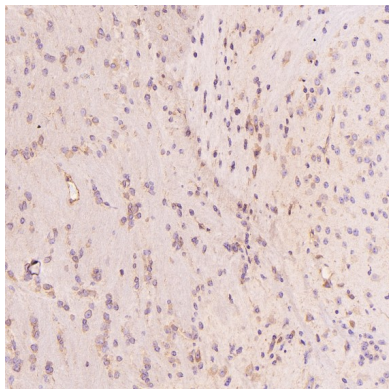


Immunohistochemical analysis of paraffin-embedded Human renal cancer, using the Antibody at 1:150 dilution.

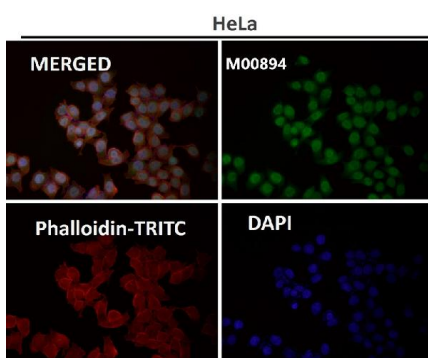
Immunohistochemical analysis of paraffin-embedded Human placenta, using the Antibody at 1:150 dilution.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.