

A11563

Leader in Biomolecular Solutions for Life Science



Calreticulin Rabbit mAb

Catalog No.: A11563 **Recombinant** **3 Publications**

Basic Information

Observed MW

55kDa

Calculated MW

47kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC0632

Background

Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.

Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:100 - 1:500

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

811

Swiss Prot

P27797

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 18-203 of human Calreticulin (NP_004334.1).

Synonyms

RO; CRT; SSA; cC1qR; HEL-S-99n; Calreticulin

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

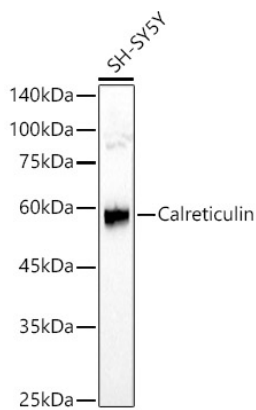
Affinity purification

Storage

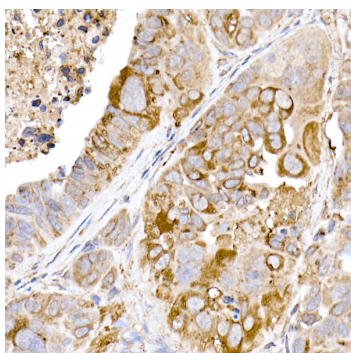
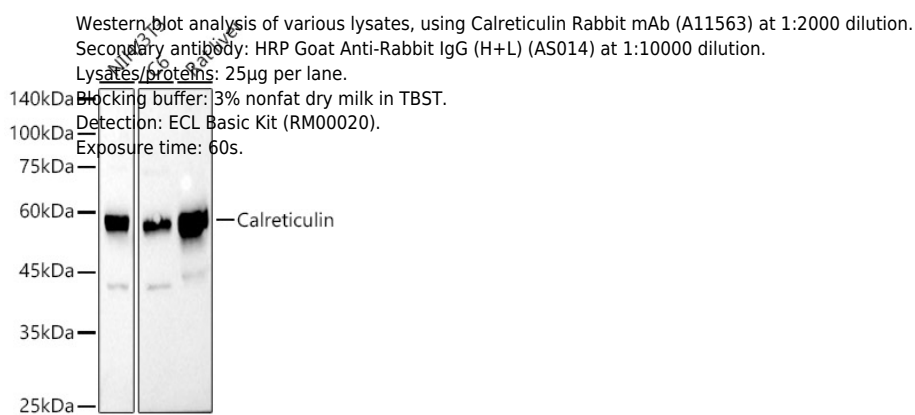
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

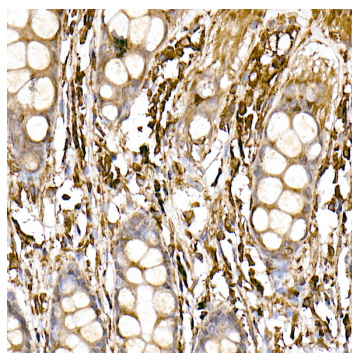
Validation Data



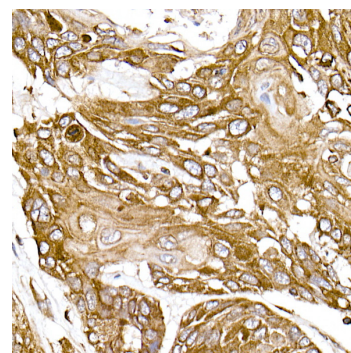
Western blot analysis of lysates from SH-SY5Y cells, using Calreticulin Rabbit mAb (A11563) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of Calreticulin in paraffin-embedded human colon carcinoma using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

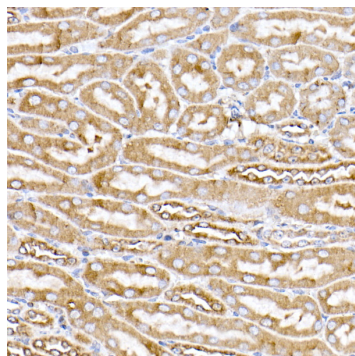


Immunohistochemistry analysis of Calreticulin in paraffin-embedded human colon using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

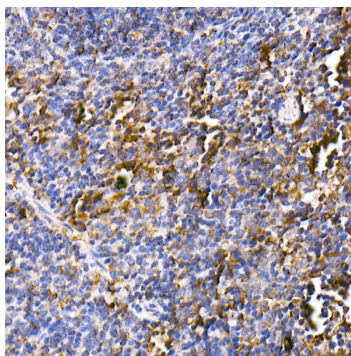


Immunohistochemistry analysis of Calreticulin in paraffin-embedded human esophageal cancer using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

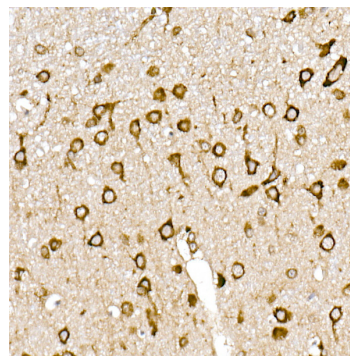
Validation Data



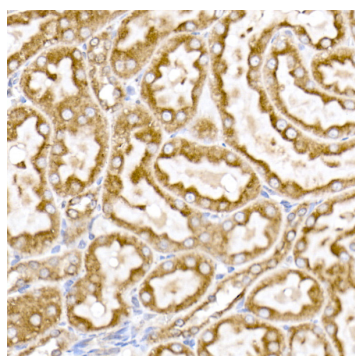
Immunohistochemistry analysis of Calreticulin in paraffin-embedded mouse kidney using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



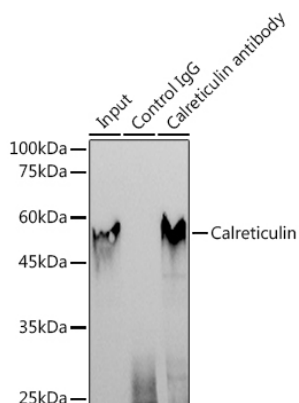
Immunohistochemistry analysis of Calreticulin in paraffin-embedded mouse spleen using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Calreticulin in paraffin-embedded rat brain using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Calreticulin in paraffin-embedded rat kidney using Calreticulin Rabbit mAb (A11563) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunoprecipitation analysis of 300 μ g extracts of SH-SY5Y cells using 3 μ g Calreticulin antibody (A11563). Western blot was performed from the immunoprecipitate using Calreticulin antibody (A11563) at a dilution of 1:1000.