

Calreticulin Rabbit mAb

Catalog No: #48841

Package Size: #48841-1 50ul #48841-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | Calreticulin Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | SU37-03 |
| Purification | ProA affinity purified |
| Applications | WB, ICC/IF, IHC, IP, FC |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | recombinant protein |
| Other Names | 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 |
| Accession No. | Swiss-Prot#:P27797 |
| Uniprot | P27797 |
| GeneID | 811; |
| Calculated MW | 60 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

Application Details

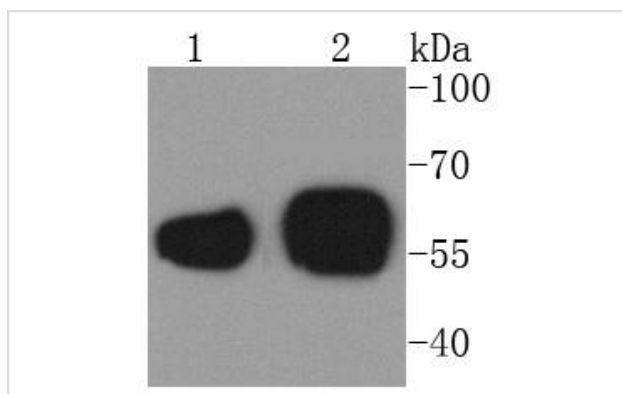
WB: 1:1,000-5,000

IHC: 1:50-1:200

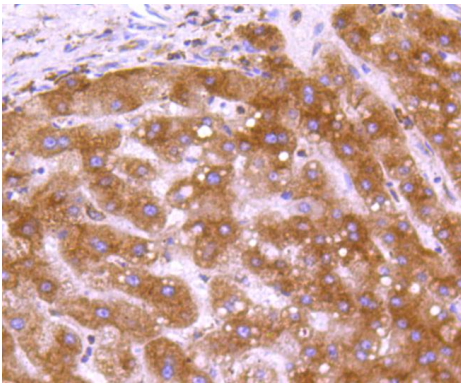
ICC: 1:100-1:500

FC: 1:50-1:100

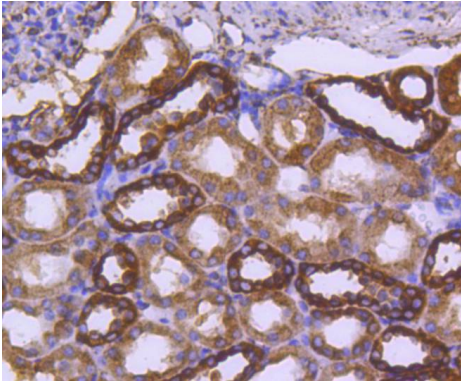
Images



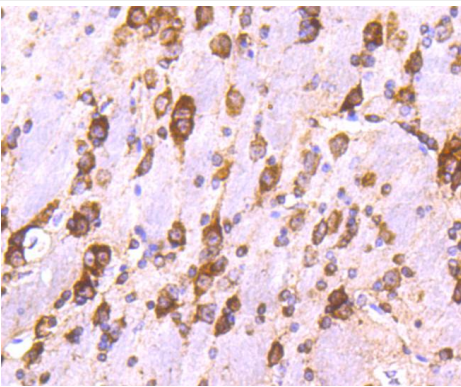
Western blot analysis of Calreticulin on different lysates using anti-Calreticulin antibody at 1/1,000 dilution. Positive control:
Lane 1: SH-SY-5Y Lane 2: HL-60



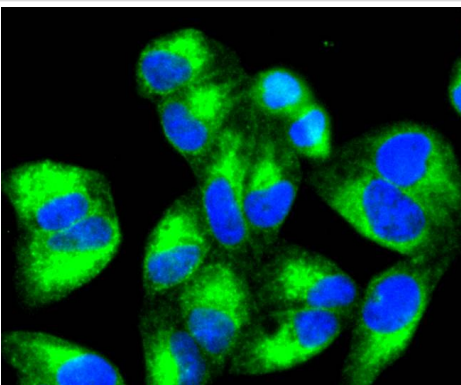
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Calreticulin antibody. Counter stained with hematoxylin.



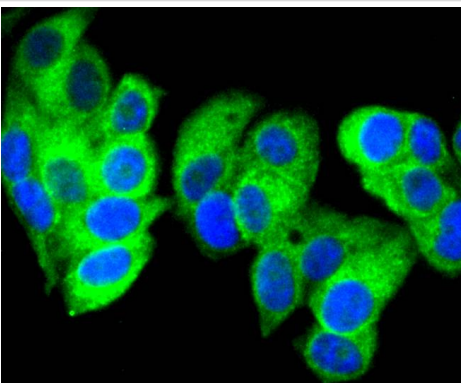
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calreticulin antibody. Counter stained with hematoxylin.



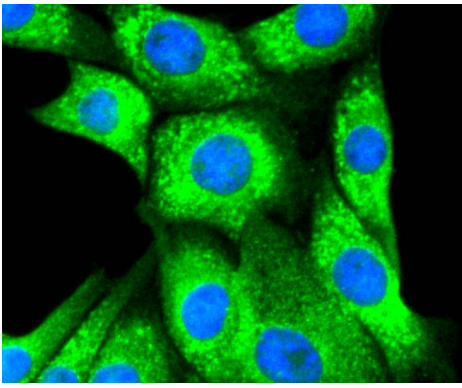
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Calreticulin antibody. Counter stained with hematoxylin.



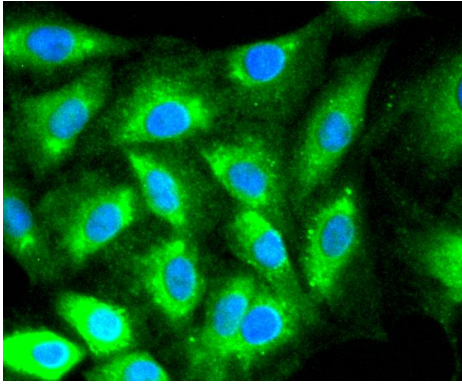
ICC staining Calreticulin in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



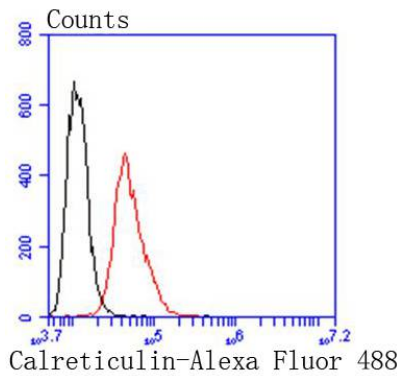
ICC staining Calreticulin in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



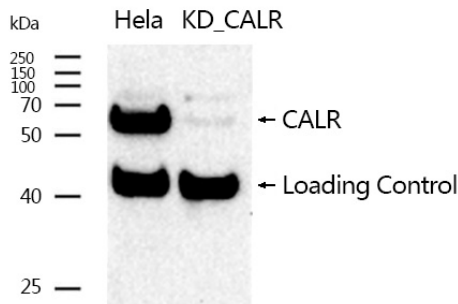
ICC staining Calreticulin in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Calreticulin in L6 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with Calreticulin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



Western blotting analysis using Calreticulin Antibody #48841.

Background

Calnexin and calregulin (also called calreticulin) are calcium-binding proteins that are localized to the endoplasmic reticulum, Calnexin to the membrane and calregulin to the lumen. Calnexin is a type I membrane protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may play a role in assisting with protein assembly and in retaining unassembled protein subunits in the endoplasmic reticulum. Calregulin has both low- and high-affinity calcium-binding sites. Neither Calnexin nor calregulin contains the calcium-binding "E-F hand" motif found in calmodulins. Calnexin and calregulin are important for the maturation of glycoproteins in the endoplasmic reticulum and appear to bind many of the same proteins.

Note: This product is for in vitro research use only