

Calreticulin monoclonal antibody

Catalog: MB9109

Host: Mouse

Reactivity: Human

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.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

55 kDa

Swiss-Prot:

P27797(Human)

Purification&Purity:

ProG affinity purified.

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

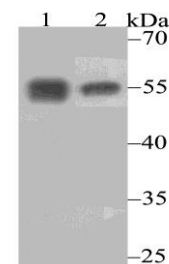
Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid

repeated freeze / thaw cycles.

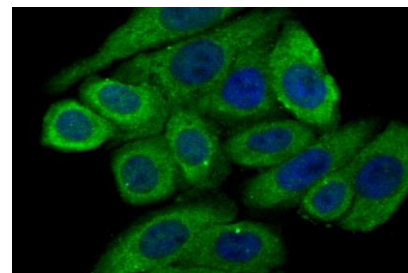
Specificity:

Calreticulin monoclonal antibody detects endogenous levels of Calreticulin protein.

DATA:



Western blot analysis of Calreticulin on HL-60 (1) and A431 (2) cell lysates using anti-Calreticulin antibody at 1/1,000 dilution.



ICC staining Calreticulin (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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