

Calumenin (C-terminus) monoclonal antibody

Catalog: MB0120

Host: Mouse IgG1

Reactivity: Human, Mouse

BackGround:

Calumenin is a 315 amino acid Ca^{2+} -binding member of the CREC, EF-hand protein family. Calumenin is a secreted protein that contains six Ca^{2+} -binding (EF-hand) motifs and is expressed in the lumen of the endoplasmic reticulum (ER) and Golgi apparatus. In the presence of Ca^{2+} , Calumenin interacts with serum amyloid P component (SAP) and, together, they may play a role in the immunological defense system and participate in amyloidosis, the pathological formation of amyloid deposits in different types of tissues. Calumenin has an inhibitory effect on the vitamin K-dependent γ -carboxylation system which converts vitamin K-dependent proteins to Gla-containing proteins. Calumenin may also be involved in the pathophysiology of thrombosis and/or wound healing by acting in an autocrine or paracrine manner.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 37KDa

Observed band size: 45KDa

Swiss-Prot:

O43852

Purification&Purity:

The antibody was affinity-purified from mouse ascites by

affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

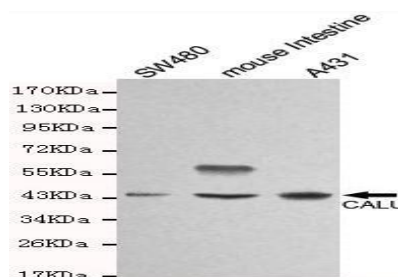
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Calumenin (C-terminus) mAb detects endogenous levels of Calumenin protein.

DATA:



Western blot detection of CALU in SW480, mouse intestine & A431 cell lysates and using CALU antibody (1:1000 diluted).

Note:

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

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