

Calumenin mouse mAb

Catalog No: YM1325

Reactivity: Human; Mouse

Applications: WB

Target: Calumenin

Gene Name: calu

Human Gene Id: 813

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen : Purified recombinant human Calumenin protein fragments expressed in E.coli.

Specificity: This antibody detects endogenous levels of Calumenin and does not cross-react

with related proteins.

O43852

O35887

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution: wb 1:1000

Purification: The antibody was affinity-purified from mouse ascites by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 37kD

Background: calumenin(CALU) Homo sapiens The product of this gene is a calcium-binding

protein localized in the endoplasmic reticulum (ER) and it is involved in such ER

functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008],

Function:

function:Involved in regulation of vitamin K-dependent carboxylation of multiple amino-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGCX. Binds 7 calcium ions with a low affinity.,similarity:Belongs to the CREC family.,similarity:Contains 6 EF-hand domains.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with GGCX.,tissue specificity:Ubiquitously expressed. Expressed at high levels in heart, placenta and skeletal muscle, at lower levels in lung, kidney and pancreas and at very low levels in brain and liver.,

Subcellular Location:

Endoplasmic reticulum membrane . Golgi apparatus . Secreted . Melanosome . Sarcoplasmic reticulum lumen . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. .

Expression:

Ubiquitously expressed. Expressed at high levels in heart, placenta and skeletal muscle, at lower levels in lung, kidney and pancreas and at very low levels in brain and liver.

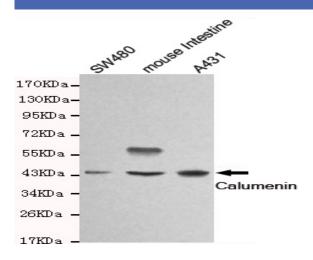
Sort: 3088

No4: 1

Host: Mouse

Modifications: Unmodified

Products Images



Western blot detection of Calumenin in SW480, mouse intestine and A431 cell lysates and using Calumenin mouse mAb (1:1000 diluted). Predicted band size: 37KDa. Observed band size: 45KDa.