10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Calumenin Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52754

Product Information

Application	WB
Primary Accession	O43852
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37107

Additional Information

Gene ID	813
Other Names	CALU;CALU_HUMAN;Calumenin 1;Calumenin 2;Calumenin;Crocalbin;crocalbin-like protein; FLJ90608;IEF SSP 9302;multiple EF-hand protein;OTTHUMP00000212712;OTTHUMP00000212713; OTTHUMP00000212714;OTTHUMP00000212715.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	CALU
Function	Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma- carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).
Cellular Location	Endoplasmic reticulum membrane. Golgi apparatus. Secreted. Melanosome. Sarcoplasmic reticulum lumen. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Tissue Location	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

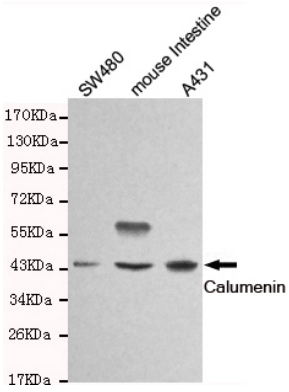
Background

Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).

References

Vorum H.,et al.Biochim. Biophys. Acta 1386:121-131(1998).
Yabe D.,et al.Genomics 49:331-333(1998).
Peterson R.E. Jr.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
Wang Q.,et al.Submitted (MAR-2010) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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.

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