

Calumenin Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52754

Specification

Calumenin Antibody - Product Information

Application	WB
Primary Accession	O43852
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37 KDa

Calumenin Antibody - Additional Information

Gene ID 813

Other Names

CALU;CALU_HUMAN;Calumenin 1;Calumenin 2;Calumenin;Crocabin;crocabin-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.

Calumenin Antibody - 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

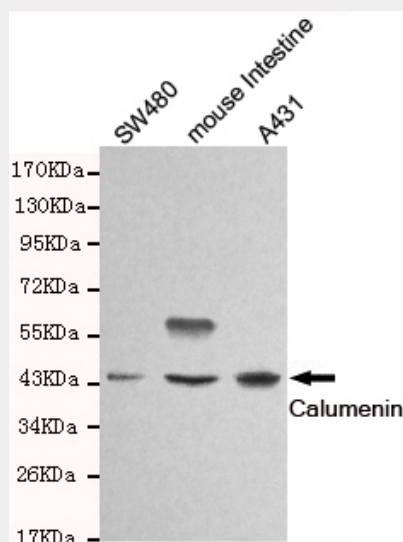
levels in lung, kidney and pancreas and at very low levels in brain and liver

Calumenin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calumenin Antibody - 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.

Calumenin Antibody - 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).

Calumenin Antibody - 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.
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Ota T., et al. Nat. Genet. 36:40-45(2004).