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Calumenin Rabbit mAb

Catalog # AP76418

Product Information

Application	WB, IHC-P, FC
Primary Accession	O43852
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	37107

Additional Information

Gene ID	813
Other Names	CALU
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

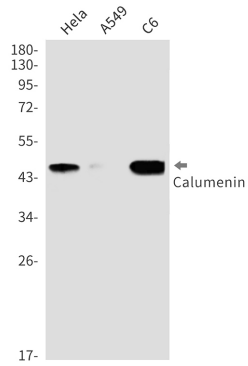
Protein Information

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

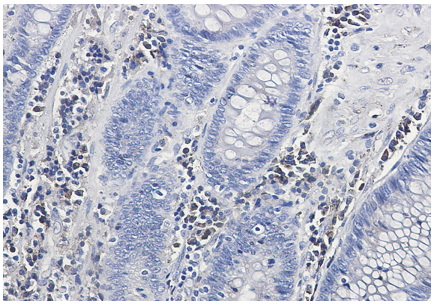
Background

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]

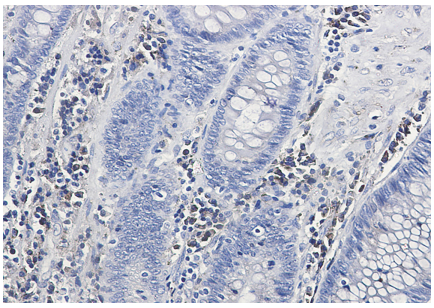
Images



Western blot analysis of Calumenin in Hela, A549, C6 lysates using Calumenin antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Calumenin antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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