

# Calumenin Rabbit mAb

Catalog # AP76418

## Product Information

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<b>Application</b>	WB, IHC-P, FC
<b>Primary Accession</b>	<a href="#">O43852</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	37107

## Additional Information

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

## Protein Information

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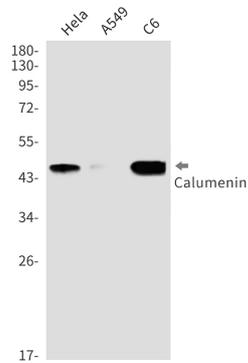
<b>Name</b>	CALU
<b>Function</b>	Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma- carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).
<b>Cellular Location</b>	Endoplasmic reticulum membrane. Golgi apparatus.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

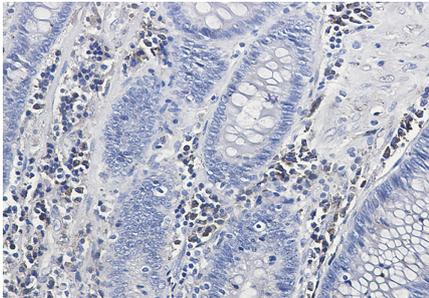
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The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum (ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include 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]

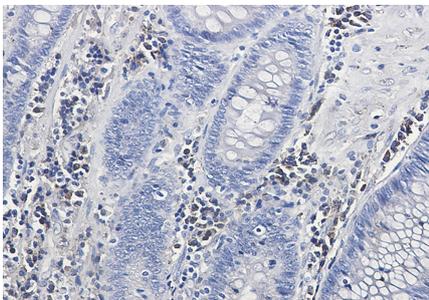
## Images



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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