

Rabbit Anti-Calumenin/Biotin Conjugated antibody

SL6658R-Bio

Product Name	Anti-Calumenin/Biotin
Chinese Name	生物素标记的钙腔蛋白
Alias	CALU; CALU_HUMAN; Calumenin; Crocalbin; crocalbin-like protein; multiple EF-hand protein.
Research Area	Signal transduction transcriptional regulatory factor Binding protein Cell type markers
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Rabbit) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	35kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Calumenin
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Involved in regulation of vitamin K-dependent carboxylation of multiple amino-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGXX. Binds 7 calcium ions with a low affinity.

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.

Subunit:

Interacts with GGCX.

Subcellular Location:

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

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.

Similarity:

Belongs to the CREC family.
Contains 6 EF-hand domains.

Database links:

[Entrez Gene: 813](#) Human

[Entrez Gene: 12321](#) Mouse

[Entrez Gene: 64366](#) Rat

[Omin: 603420](#) Human

[SwissProt: O43852](#) Human

[SwissProt: O35887](#) Mouse

[SwissProt: O35783](#) Rat

[Unigene: 592258](#) Human

[Unigene: 7753](#) Human

[Unigene: 392075](#) Mouse

[Unigene: 1841](#) Rat



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Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.