

## Rabbit Anti-Calumenin/AP Conjugated antibody

SL6658R-AP

<b>Product Name</b>	Anti-Calumenin/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的钙腔蛋白
<b>Alias</b>	CALU; CALU_HUMAN; Calumenin; Crocalbin; crocalbin-like protein; multiple EF-hand protein.
<b>Research Area</b>	Signal transduction transcriptional regulatory factor Binding protein Cell type markers
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Rabbit) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	35kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Calumenin
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	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.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> 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



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

---

**Important Note:**

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