



# Rabbit Anti-Human CAMLG Polyclonal Antibody (CABT-L2202)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Calcium Modulating Ligand (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against CAMLG. It has been selected for its ability to recognize CAMLG in immunohistochemical staining and western blotting.
<b>Target</b>	CAMLG
<b>Immunogen</b>	Recombinant fragment corresponding to human CAMLG (Gly19~Glu184)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	The immunosuppressant drug cyclosporin A blocks a calcium-dependent signal from the T-cell receptor (TCR) that normally leads to T-cell activation. When bound to cyclophilin B, cyclosporin A binds and inactivates the key signaling intermediate calcineurin. The protein encoded by this gene functions similarly to cyclosporin A, binding to cyclophilin B and acting downstream of the TCR and upstream of calcineurin by causing an influx of calcium. This integral membrane protein appears to be a new participant in the calcium signal transduction pathway, implicating cyclophilin B in calcium signaling, even in the absence of cyclosporin. [provided by RefSeq, Jul 2008]
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<b>Keywords</b>	CAML;Calcium Signal-Modulating Cyclophilin Ligand;Calcium-Signal Modulating Cyclophilin Ligand;Cyclophilin B-Binding Protein
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## GENE INFORMATION

<b>Gene Name</b>	CAMLG calcium modulating ligand [ Homo sapiens (human) ]
<b>Official Symbol</b>	CAMLG
<b>Synonyms</b>	CAMLG; calcium modulating ligand; CAML; calcium signal-modulating cyclophilin ligand; cyclophilin B-binding protein; calcium-modulating cyclophilin ligand; calcium-signal modulating cyclophilin ligand;
<b>Entrez Gene ID</b>	<a href="#">819</a>
<b>Protein Refseq</b>	NP_001736
<b>UniProt ID</b>	<a href="#">P49069</a>
<b>Chromosome Location</b>	5q23
<b>Function</b>	cell adhesion molecule binding; protein binding;