

KD-Validated Anti-CAMLG Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2011**Specification****KD-Validated Anti-CAMLG Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P49069
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 33 kDa, observed, 36 kDa kDa
Gene Name	CAMLG
Aliases	CAMLG; Calcium Modulating Ligand; CAML; GET2; Guided Entry Of Tail-Anchored Proteins Factor CAMLG; Calcium Signal-Modulating Cyclophilin Ligand; Calcium-Modulating Cyclophilin Ligand; Cyclophilin B-Binding Protein; Calcium-Signal Modulating Cyclophilin Ligand; CDG2Z
Immunogen	Recombinant protein of human CAMLG

KD-Validated Anti-CAMLG Mouse Monoclonal Antibody - Additional Information

Gene ID 819

Other Names

Guided entry of tail-anchored proteins factor CAMLG, Calcium signal-modulating cyclophilin ligand {ECO:0000312|HGNC:HGNC:1471}, CAMLG (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=1471)

KD-Validated Anti-CAMLG Mouse Monoclonal Antibody - Protein Information**Name** CAMLG ([HGNC:1471](#))**Function**

Required for the post-translational delivery of tail-anchored (TA) proteins to the endoplasmic reticulum (PubMed: [23041287](http://www.uniprot.org/citations/23041287), PubMed: [24392163](http://www.uniprot.org/citations/24392163), PubMed: [27226539](http://www.uniprot.org/citations/27226539)). Together with GET1/WRB, acts as a membrane receptor for soluble GET3/TRC40, which recognizes and selectively binds the transmembrane domain of TA proteins in the cytosol (PubMed: [23041287](http://www.uniprot.org/citations/23041287), PubMed: [24392163](http://www.uniprot.org/citations/24392163), PubMed: [27226539](http://www.uniprot.org/citations/27226539)). Required for the stability of GET1 (PubMed: [32187542](http://www.uniprot.org/citations/32187542)). Stimulates

calcium signaling in T cells through its involvement in elevation of intracellular calcium (PubMed:7522304). Essential for the survival of peripheral follicular B cells (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

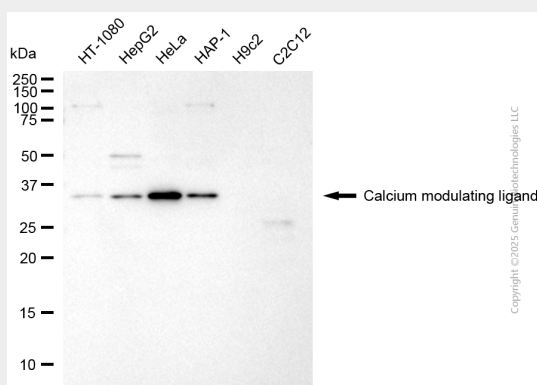
Ubiquitous. Highest levels in brain, testis and ovary

KD-Validated Anti-CAMLG Mouse Monoclonal Antibody - Protocols

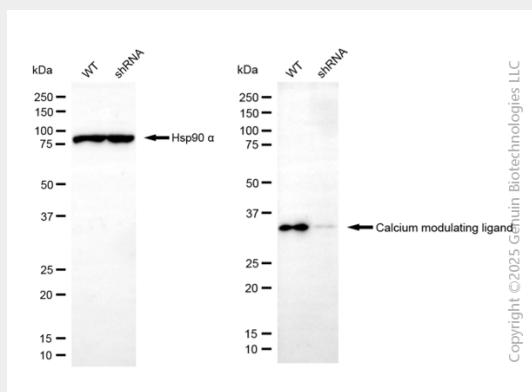
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-CAMLG Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-calcium modulating ligand antibody (Cat#AGI2011). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-calcium modulating ligand antibody (Cat#AGI2011, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-calcium modulating ligand antibody (Cat#AGI2011). Calcium modulating ligand expression in wild type (WT) and calcium modulating ligand (CAMLG) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-calcium modulating ligand antibody (Cat#AGI2011, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.