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KD-Validated Anti-CAMLG Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2011

Product Information

Application	WB
Primary Accession	P49069
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB7950
Calculated MW	32953
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

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 (HGNC:1471)

Protein Information

Name	CAMLG (HGNC:1471)
Function	Required for the post-translational delivery of tail-anchored (TA) proteins to the endoplasmic reticulum (PubMed:23041287, PubMed:24392163, PubMed: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, PubMed:24392163, PubMed:27226539). Required for the stability of GET1 (PubMed: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

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