10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRAMD2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10347a

Specification

GRAMD2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q8IUY3
Other Accession	NP_001012660.1

GRAMD2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 196996

Other Names
GRAM domain-containing protein 2, GRAMD2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GRAMD2 Antibody (N-term) Blocking peptide - Protein Information

Name GRAMD2A (HGNC:27287)

Synonyms GRAMD2

Function
Participates in the organization of endoplasmic reticulum- plasma membrane contact sites (EPCS) with pleiotropic functions including STIM1 recruitment and calcium homeostasis. Constitutive tether that co-localize with ESYT2/3 tethers at endoplasmic reticulum- plasma membrane contact sites in a phosphatidylinositol lipid-dependent manner. Pre-marks the subset of phosphtidylinositol 4,5-biphosphate (PI(4,5)P2)-enriched EPCS destined for the store operated calcium entry pathway (SOCE).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein. Cell membrane; Peripheral membrane protein. Note=Localizes to endoplasmic reticulum-plasma membrane contact sites (EPCS). Anchored at the ER, PM binding is mediated via GRAM domain and phosphatidylinositol lipid interaction. Localizes to distinct EPCS than GRAMD1A

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GRAMD2 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

GRAMD2 Antibody (N-term) Blocking peptide - Images

GRAMD2 Antibody (N-term) Blocking peptide - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006)Ota, T., et al. Nat. Genet. 36(1):40-45(2004)Bonaldo, M.F., et al. Genome Res. 6(9):791-806(1996)