

DRAGON (RGMB) Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP1421b**Specification**

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O6NW40](#)
Other Accession [Q7TQ33](#)

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 285704

Other Names

RGM domain family member B, DRG11-responsive axonal guidance and outgrowth of neurite, DRAGON, RGMB

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1421b](/product/products/AP1421b) was selected from the RGMB region of human DRAGON (RGMB). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Protein Information

Name RGMB {ECO:0000303|PubMed:19324014, ECO:0000312|HGNC:HGNC:26896}

Function

Member of the repulsive guidance molecule (RGM) family that contributes to the patterning of the developing nervous system (By similarity). Acts as a bone morphogenetic protein (BMP) coreceptor that potentiates BMP signaling (By similarity). Promotes neuronal adhesion (By similarity). May inhibit neurite outgrowth.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q7TQ33}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q7TQ33}. Membrane raft {ECO:0000250|UniProtKB:Q7TQ33}

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Images

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - Background

Repulsive Guidance Molecule B (RGMB) is primarily expressed in the central nervous system. RGM A and B both appear at every level of the developing neural axis, where they colocalize to a large extent in the mantle layer, although only RGMA appears in the neuroepithelium, and only RGMB in the peripheral nervous system. During development, both RGMA and B appear also in lung and in limb cartilage, while RGMB has additional expression domains in pancreas.

DRAGON (RGMB) Antibody (C-term) Blocking Peptide - References

Schnichels,S., Gene Expr. Patterns 8 (1), 1-11 (2007)Metzger,M., Dev. Dyn. 234 (1), 169-175 (2005)Xia,Y., Endocrinology 146 (8), 3614-3621 (2005)