

**DRAGON (RGMB) Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1421c****Specification**

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**DRAGON (RGMB) Antibody (Center) Blocking Peptide - Product Information**

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

**DRAGON (RGMB) Antibody (Center) 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 [AP1421c](/product/products/AP1421c) 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 (Center) 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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **DRAGON (RGMB) Antibody (Center) Blocking Peptide - Images**

## **DRAGON (RGMB) Antibody (Center) 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 (Center) 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)