

**RGMB Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22293a****Specification**

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**RGMB Antibody - Product Information**

Application	WB, IHC-P-Leica,E
Primary Accession	<a href="#">Q6NW40</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	47547

**RGMB Antibody - Additional Information****Gene ID** 285704**Other Names**

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

**Target/Specificity**

This RGMB antibody is generated from a rabbit immunized with a recombinant protein of human RGMB.

**Dilution**

WB~~1:2000  
IHC-P-Leica~~1:500  
E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RGMB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**RGMB Antibody - 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

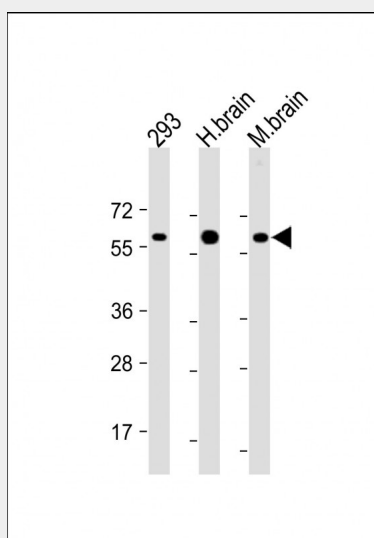
Cell membrane {ECO:0000250|UniProtKB:Q7TQ33}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q7TQ33}. Membrane raft {ECO:0000250|UniProtKB:Q7TQ33}

#### RGMB Antibody - Protocols

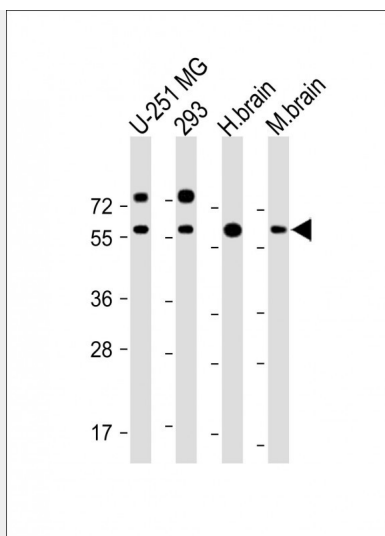
Provided below are standard protocols that you may find useful for product applications.

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

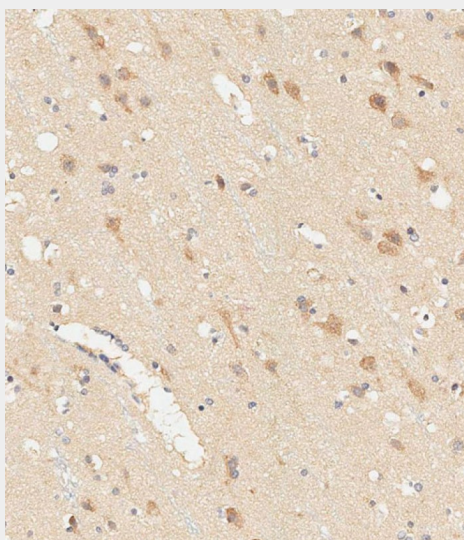
#### RGMB Antibody - Images



All lanes : Anti-RGMB Antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: Human brain lysate Lane 3: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-RGMB Antibody at 1:2000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: 293 whole cell lysate Lane 3: Human brain lysate Lane 4: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human brain tissue using AP22293a performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

### RGMB Antibody - Background

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.

### RGMB Antibody - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Schmutz J.,et al.Nature 431:268-274(2004).  
Liu X.,et al.Biochem. Biophys. Res. Commun. 382:795-800(2009).

Bell C.H.,et al.Science 341:77-80(2013).