

Rabbit anti-Human, Mouse DRAGON Polyclonal Antibody | anti-RGMB antibody

DRAGON (RGMB) Antibody (C-term)

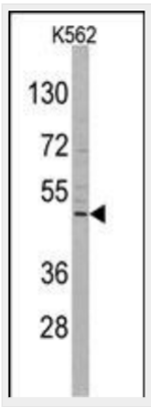
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290629	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

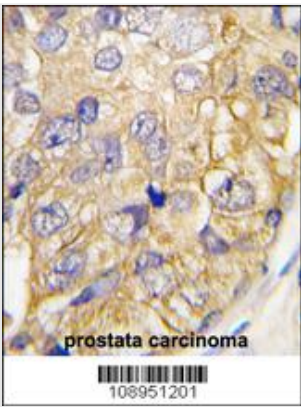
DRAGON; Polyclonal Antibody; DRAGON (RGMB) Antibody (C-term); Purified Rabbit Polyclonal Antibody (Pab); RGM domain family member B; DRG11-responsive axonal guidance and outgrowth of neurite; RGMB; anti-RGMB antibody

PRODUCT SPECIFICATIONS

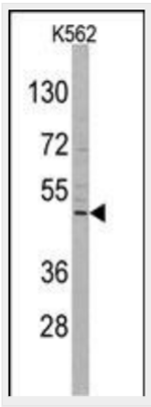
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Ig
Specificity	This DRAGON (RGMB) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 376-406 amino acids from the C-terminal region of human DRAGON (RGMB).
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	478
Applicable Applications for anti-RGMB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
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; Lipid-anchor, GPI- anchor. Membrane raft
Antigen Type	Synthetic Peptide
Antigen Region	376-406
Preparation and 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.



WB (Western Blot)
Western blot analysis of DRAGON (RGMB) Antibody (C-term) in K562 cell line lysates (35ug/lane). DRAGON (arrow) was detected using the purified Pab.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with DRAGON (RGMB) (C-term) (AAA290629), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
All lanes : Anti-DRAGON (RGMB) Antibody (C-term) at 1:2000 dilution
Lane 1: A431 whole cell lysate
Lane 2: mouse brain lysate
Lane 3: mouse cerebellum lysate
Lane 4: NCI-H460 whole cell lysate
Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-RGMB antibody	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.
Product Categories/Family for anti-RGMB antibody	Neuroscience; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	224589135
NCBI GeneID	285704
NCBI Accession #	NP_001012779.2

NCBI GenBank Nucleotide #	NM_001012761.2
UniProt Accession #	Q6NW40 ; Q8NC92 ; D6R9A0
Molecular Weight	47547
NCBI Official Full Name	RGM domain family member B
NCBI Official Synonym Full Names	repulsive guidance molecule family member b
NCBI Official Symbol	RGMB
NCBI Official Synonym Symbols	DRAGON
NCBI Protein Information	RGM domain family member B
UniProt Protein Name	RGM domain family member B
UniProt Gene Name	RGMB
UniProt Synonym Gene Names	DRAGON
UniProt Entry Name	RGMB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dragon-antibody-immunohistochemistry-western-blot-elisa/290629>