

Rabbit anti-Human, Mouse RGMA Polyclonal Antibody | anti-RGMA antibody

RGMA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230467	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

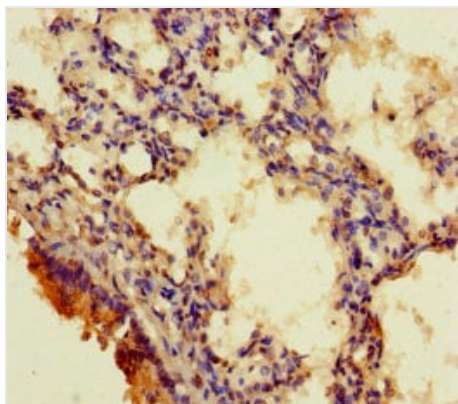
PRODUCT SYNONYMS

RGMA; Polyclonal Antibody; RGMA Antibody; Repulsive guidance molecule A; RGM domain family member A; RGM; anti-RGMA antibody

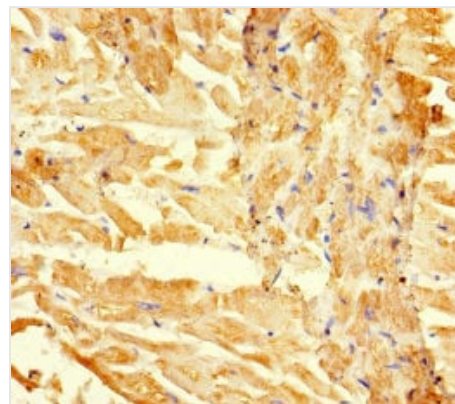
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-RGMA antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Repulsive guidance molecule A protein (153-408AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	RGMA
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

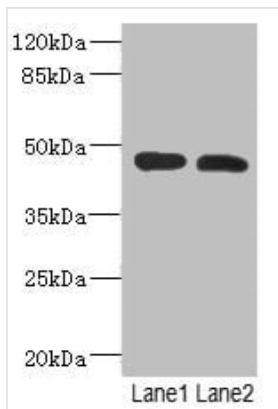
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA230467 at dilution of 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA230467 at dilution of 1:100



WB (Western Blot)

All lanes: GCDH antibody at 12ug/ml
 Lane 1: Mouse brain tissue
 Lane 2: Hela whole cell lysate
 Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution
 Predicted band size: 50,48,51 kDa
 Observed band size: 49 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RGMA antibody	Member of the repulsive guidance molecule (RGM) family that performs several functions in the developing and adult nervous system. Regulates cephalic neural tube closure, inhibits neurite outgrowth and cortical neuron branching, and the formation of mature synapses. Binding to its receptor NEO1/neogenin induces activation of RHOA-ROCK1/Rho-kinase signaling pathway through UNC5BARHGEF12/LARG-PTK2/FAK1 cascade, leading to collapse of the neuronal growth cone and neurite outgrowth inhibition. Furthermore, RGMA binding to NEO1/neogenin leads to HRAS inactivation by influencing HRAS-PTK2/FAK1-AKT1 pathway. It also functions as a bone morphogenetic protein (BMP) coreceptor that may signal through SMAD1, SMAD5, and SMAD8.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261878463
NCBI GeneID	56963
NCBI Accession #	NP_001159755.1
NCBI GenBank Nucleotide #	NM_001166283.1
UniProt Accession #	Q96B86; Q0JV97; Q8NC80; Q9H0E6; Q9NPM3; B2RTW1; B7Z5S8; F5GXQ7; F5GZU6; G3V518
NCBI Official Full Name	repulsive guidance molecule A isoform 1
NCBI Official Synonym Full Names	repulsive guidance molecule family member a
NCBI Official Symbol	RGMA
NCBI Official Synonym Symbols	RGM
NCBI Protein Information	repulsive guidance molecule A
UniProt Protein Name	Repulsive guidance molecule A
UniProt Gene Name	RGMA
UniProt Synonym Gene Names	RGM
UniProt Entry Name	RGMA_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.