

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-RGMA



Numéro de catalogue: 12387-1-AP

Phare

1 Publications

Informations de base

Numéro de catalogue:
12387-1-AP

Taille:
150ul, Concentration: 700 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3058

Numéro d'acquisition GenBank:
BC015886

Identification du gène (NCBI):
56963

Nom complet:
RGM domain family, member A

MW calculé
450 aa, 49 kDa

MW observés:
49 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 µg for IP and 1:200-1:1000
for WB
IHC 1:50-1:500

Applications

Applications testées:
IHC, IP, WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
rat

Contrôles positifs:

WB : cellules COLO 320, cellules Caco-2, cellules HeLa, cellules K-562, cellules MOLT-4, cellules U2OS, tissu cérébral de rat, tissu cérébral de souris, tissu testiculaire de souris

IP : tissu testiculaire de souris,

IHC : tissu cérébral humain,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

RGMA, also named as RGM, is a member of the repulsive guidance molecule (RGM) family that performs several functions in the developing and adult nervous system. It regulates cephalic neural tube closure, inhibits neurite outgrowth and cortical neuron branching, and the formation of mature synapses. RGMA binding to its receptor NEO1/neogenin induces activation of RHOA-ROCK1/Rho-kinase signaling pathway through UNC5B-ARHGEF12/LARG-PTK2 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 HRAS1-PTK2-AKT1 pathway. It also functions as a bone morphogenetic protein (BMP) coreceptor that may signal through SMAD1, SMAD5, and SMAD8. RGMA is a molecular target for neuroprotection in retinal pathologies (PMID: 20457227). the frequent genetic and epigenetic inactivation of RGMA in CRCs and adenomas along with its in vitro function collectively support its role as a tumor suppressor in colon cells (PMID: 19303019). There're some different MW in WB detection, 30 kDa mature form, 47-50 kDa isoforms and 60 kDa Glycosylated form.

Publications notables

Autrice	Pubmed ID	Journal	Application
Min Li	29935233	Brain Res Bull	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

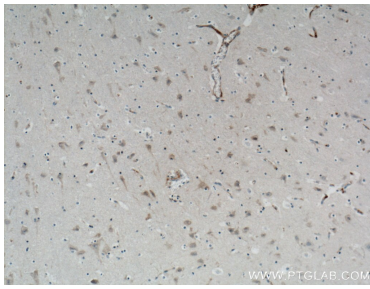
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

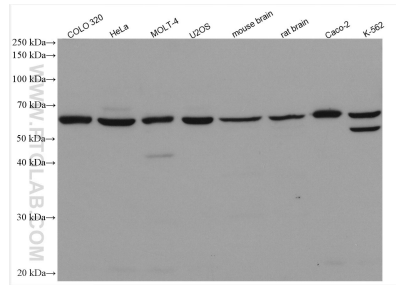
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

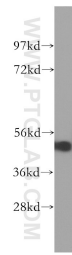
Données de validation sélectionnées



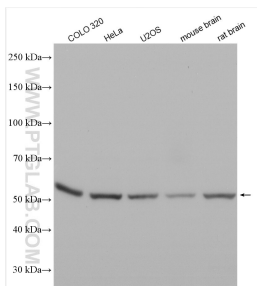
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12387-1-AP (RGMA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



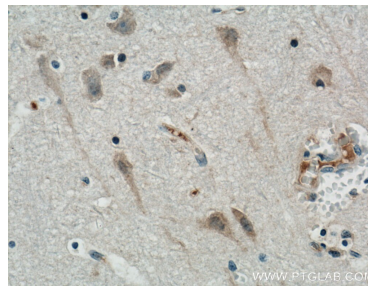
Various lysates were subjected to SDS PAGE followed by western blot with 12387-1-AP (RGMA antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



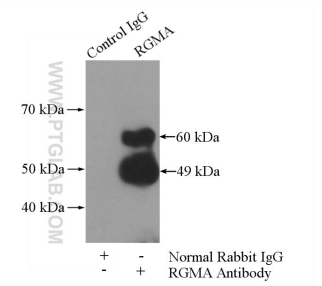
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12387-1-AP (RGMA antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 12387-1-AP (RGMA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12387-1-AP (RGMA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-RGMA (IP:12387-1-AP, 4ug; Detection:12387-1-AP 1:400) with mouse testis tissue lysate 4000ug.