

Rabbit anti-Mouse GFR Alpha-1/GFRA1 Monoclonal Antibody | anti-GFRA1 antibody

Recombinant Anti-GFR Alpha-1/GFRA1 Antibody, Rabbit Monoclonal

CATALOG # AAA257103	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

GFR Alpha-1/GFRA1; Monoclonal Antibody; Recombinant Anti-GFR Alpha-1/GFRA1 Antibody; Rabbit Monoclonal; GFRA1 Antibody; Rabbit MAb; GDNF family receptor alpha 1; Anti-AU042498 Antibody; anti-GFRA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	009
Specificity	Mouse GFRA1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GFRA1 antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse GFRA1 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse GFRA1 (rM GFRA1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse GFRA1 in mouse brain with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse GFRA1 in mouse kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-GFRA1 antibody	Glial cell line derived neurotrophic factor (GDNF) Family Receptor Alpha 1 (GFRA1) is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. GFRA1 is a potent survival factor for central and peripheral neurons, and is essential for the development of kidneys and the enteric nervous system. Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are its binding ligand which are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. GDNF promotes the formation of a physical complex between GFRA/GDNFRa and the orphan tyrosin kinase receptor Ret, thereby inducing its tyrosine phosphorylation. The RET is a receptor tyrosine kinase representing the signal-transducing molecule of a multisubunit surface receptor complex for the GDNF, in which GFRA/GDNFRa acts as the ligand-binding component. GDNF, a distantly related member of the transforming growth factor-beta (TGF-a) superfamily, and its receptor components: GFRA1, Ret and neural cell adhesion molecule (NCAM) have been recently reported to be expressed in the testis and to be involved in the proliferation regulation of immature Sertoli cells.
References	Jing S, et al. (1997) GFRalpha-2 and GFRalpha-3 are two new receptors for ligands of the GDNF family. J Biol Chem. 272(52): 33111-7.Jing S, et al. (1996) GDNF-induced activation of the ret protein tyrosine kinase is mediated by GDNFR-alpha, a novel receptor for GDNF. Cell. 85(7):1113-24.Treanor JJ, et al. (1996) Characterization of a multicomponent receptor for GDNF. Nature. 382(6586): 80-3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2624963
NCBI GeneID	14585
Molecular Weight	Molecular Mass: 46.3 kDa Actual Protein Molecular Mass: 55-60 kDa
NCBI Official Full Name	GDNF receptor beta
NCBI Official Synonym Full Names	glial cell line derived neurotrophic factor family receptor alpha 1
NCBI Official Symbol	Gfra1
NCBI Official Synonym Symbols	AU042498
NCBI Protein Information	GDNF family receptor alpha-1

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/monoclonal/gfr-alpha-1-gfra1-antibody-clone-009-immunohistochemistry-elisa/257103>