

Rabbit GFR Alpha-3/GFRA3 Polyclonal Antibody | anti-GFRA3 antibody

Anti-GFR Alpha-3/GFRA3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255061	Rabbit	Mouse, Rat Predicted to React with: Human, Bovin (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

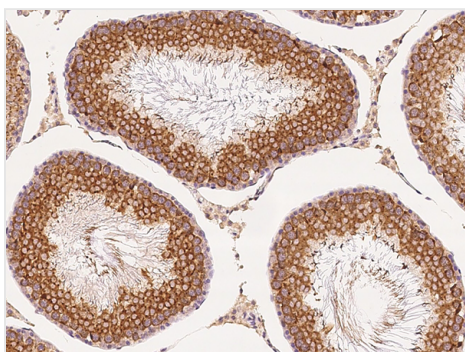
PRODUCT SYNONYMS

GFR Alpha-3/GFRA3; Polyclonal Antibody; Anti-GFR Alpha-3/GFRA3 Antibody; Rabbit Polyclonal; GFRA3 Antibody; Rabbit PAb; Antigen Affinity Purified; GDNF family receptor alpha 3; Anti-GFRalpha3 Antibody; Anti-Y15110 Antibody; anti-GFRA3 antibody

PRODUCT SPECIFICATIONS

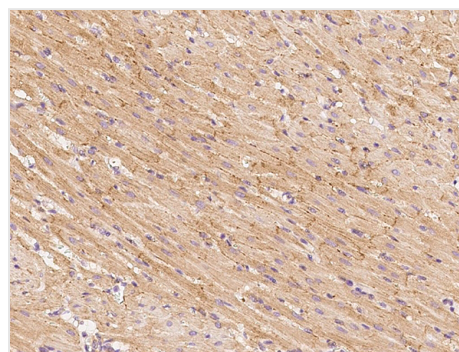
Host	Rabbit
Reactivity	Mouse, Rat Predicted to React with: Human, Bovin (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse GFR Alpha-3/GFRA3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GFRA3 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse GFRA3
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse GFRA3, and purified by antigen affinity chromatography.
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



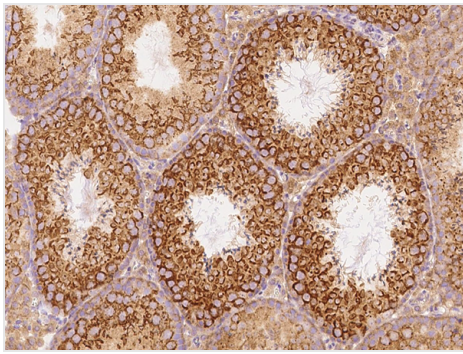
IHC (Immunohistochemistry)

Immunochemical staining GFRA3 in rat testis with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



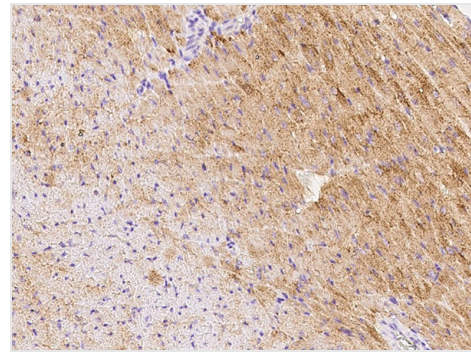
IHC (Immunohistochemistry)

Immunochemical staining GFRA3 in rat heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining GFRA3 in mouse testis with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining GFRA3 in mouse heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-GFRA3 antibody

Glial cell line derived neurotrophic factor (GDNF) Family Receptor Alpha 3 (GFRA3) or GDNFRa3 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. GFRA3/GDNFRa3 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. The neurotrophic growth factor artemin binds selectively to GDNF family receptor alpha3 (GFRA3/GDNFRa3), forming a molecular complex with the co-receptor RET which mediates downstream signaling. This signaling pathway has been demonstrated to play an important role in the survival and maintenance of nociceptive sensory neurons and in the development of sympathetic neurons.

References

Widenfalk J, et al. (2000) Neurturin, RET, GFRalpha-1 and GFRalpha-2, but not GFRalpha-3, mRNA are expressed in mice gonads. *Cell Tissue Res.* 299(3): 409-15. Li J, et al. (2009) Autocrine regulation of early embryonic development by the artemin-GFRA3 (GDNF family receptor-alpha 3) signaling system in mice. *FEBS Lett.* 583(15): 2479-85. Yang C, et al. (2006) Distribution of GDNF family receptor alpha3 and RET in rat and human non-neural tissues. *J Mol Histol.* 37(1-2): 69-77.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2627159
NCBI GeneID	14587
UniProt Accession #	O35118; O35325; O55243; Q6NZC2; Q8C8L9
Molecular Weight	44,307 Da
NCBI Official Full Name	Mus musculus mRNA for GFRalpha-3, complete cds
NCBI Official Synonym Full Names	glial cell line derived neurotrophic factor family receptor alpha 3
NCBI Official Symbol	Gfra3
NCBI Official Synonym Symbols	Y15110; GFRalpha3
NCBI Protein Information	GDNF family receptor alpha-3; GFR alpha-3; GFR-alpha-3; GDNFR-alpha-3; GDNF receptor alpha-3
UniProt Protein Name	GDNF family receptor alpha-3
UniProt Gene Name	Gfra3
UniProt Synonym Gene Names	GDNF receptor alpha-3; GDNFR-alpha-3; GFR-alpha-3
UniProt Entry Name	GFRA3_MOUSE

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/gfr-alpha-3-gfra3-antibody-immunohistochemistry-elisa/255061>