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PRODUCT DATASHEET

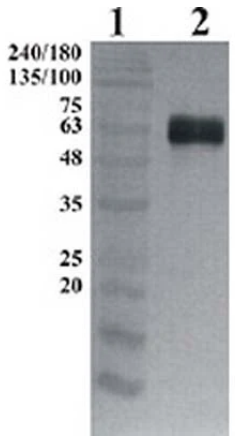
Anti-GDNF family receptor alpha-1 (GFR alpha-1) Antibody

Product Details

Available Variants	100 µg (SKU:C-1659-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Affinity-purified
Physical State	Liquid
Buffer	Concentrated ammonium sulphate in PBS pH 7.4 containing no preservatives.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:2000
Species Reactivity	Human
Immunogen	Recombinant His-tagged human GFR alpha-1 protein produced using CHO-based cell line. For production of hGFR alpha-1, glycosylphosphatidyl-inositol GPI-anchor was removed and protein was secreted to the cell culture supernatant. Protein was purified by Ni-affinity chromatography following gel-filtration from cell culture supernatant.
Specificity	Human GFR alpha-1. No cross reaction with hGFR alpha-2, hGFR alpha-3, hGFR alpha-4.
Storage	Store antibody stock solution at +4°C upon receipt. DO NOT FREEZE. This product is an (NH4)2SO4 precipitate. To use, mix well by pipetting or vortexing gently prior use, then withdraw the desired amount of antibody stock solution and dilute into your antibody dilution buffer and use normally. Alternatively, material can be centrifuged at 10K x g for 5 minutes and the liquid sulfate solution carefully removed. Then precipitated antibody can be resuspended in 0.1M P, 250 mM NaCL, pH 7.4 solution. The solution should

	then be divided into working aliquots and stored at -80°C until used. Prevent multiple freeze thaw cycles of aliquots for best product life. Store at 2-8°C upon receipt; DO NOT FREEZE. As product is (NH4)2SO4 (ammonium sulfate) precipitate, mix well by pipetting or vortexing prior to use. See reconstitution instructions for more information.
UniProt ID	P56159 UniProt Summary: Coreceptor for GDNF, a neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. GDNF-binding leads to autophosphorylation and activation of the RET receptor.
Country of Origin	United States
Shipping	2-8°C (on cold packs)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	2674

Product Images



Western-Blot detection of human GFRα-1, using Chicken polyclonal antibody to human GFRα-1. GFRα-1 was C-terminally His tagged. Protein was expressed by CHO cell culture. 100 ng of purified protein was loaded per lane. **Line 1.** Prestained protein ladder (Naxo 8003). **Line 2.** hGFRα-1. Primary antibody dilution 1:5000 was used.