

Datasheet for ABIN7043213
anti-GFRA4 antibody (Extracellular, N-Term)



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3 Images

Overview

Quantity:	50 µL
Target:	GFRA4
Binding Specificity:	AA 160-172, Extracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFRA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GSRDG(S)PEEGGPR, corresponding to amino acid residues 160-172 of rat GFRA4
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for human samples. The antibody will recognize both the membrane bound canonical isoform and the putative secreted isoform.
Characteristics:	Anti-GFR alpha 4 (extracellular) Antibody is directed against an extracellular epitope of rat GDNF receptor α4. Anti-GFR alpha 4 (extracellular) Antibody (ABIN7043213, ABIN7044781 and ABIN7044782)) can be used in western blot, immunohistochemistry, immunocytochemistry and live cell imaging applications. It has been designed to recognize GFR α4 from mouse and

Product Details

rat samples. The antibody is not suitable for detecting GFR α 4 from human samples.

Purification: Affinity purified on immobilized antigen.

Target Details

Target: GFRA4

Alternative Name: GFR alpha 4 ([GFRA4 Products](#))

Background: Alternative names: GFR alpha 4, GFRA4, GFRalpha4, GDNF family receptor alpha4, GDNF receptor alpha 4, Persephin receptor

Gene ID: 66023

NCBI Accession: [NM_145762](#)

UniProt: [Q9EPI2](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 μ L, 50 μ L or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

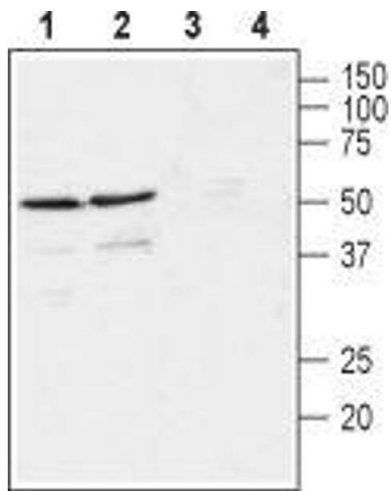
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

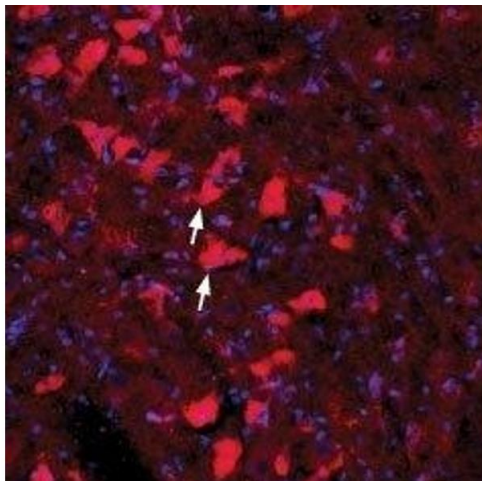
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-GFR alpha 4 (extracellular) Antibody (ABIN7043213, ABIN7044781 and ABIN7044782), (1:800).3,4. Anti-GFR alpha 4 (extracellular) Antibody, preincubated with GFR α 4 (extracellular) Blocking Peptide (#BLP-NT024).



Immunohistochemistry

Image 2. Expression of GFRA4 in rat red nucleus - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-GFR alpha 4 (extracellular) Antibody (ABIN7043213, ABIN7044781 and ABIN7044782), (1:100). Staining reveals expression of GFRA4 (red) in cells with neuronal outline (arrows point at some examples) in the red nucleus. DAPI is used as the counterstain (blue).



Immunocytochemistry

Image 3. Expression of GFRA4 in rat PC12 cells - Cell surface detection of GFRA4 in live intact rat PC12 pheochromocytoma cells. A. Extracellular staining of cells with Anti-GFR alpha 4 (extracellular) Antibody (ABIN7043213, ABIN7044781 and ABIN7044782), (1:100), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Cell nuclei stained with the cell permeable dye Hoechst 33342 (blue). C. Merge of the two images.