

Datasheet for ABIN7043211
anti-GFRA1 antibody (Extracellular Domain)

3 Images

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Overview

Quantity:	50 µL
Target:	GFRA1
Binding Specificity:	AA 72-83, Extracellular Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFRA1 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: CRSAMEALKQKS, corresponding to amino acid residues 72-83 of rat GFRA1
Isotype:	IgG
Characteristics:	Anti-GFR alpha 1 (extracellular) Antibody is directed against an extracellular epitope of rat GDNF receptor α1. Anti-GFR alpha 1 (extracellular) Antibody (ABIN7043211, ABIN7044777 and ABIN7044778)) can be used in western blot, immunohistochemistry, immunocytochemistry and live cell imaging applications. It has been designed to recognize GFR α1 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

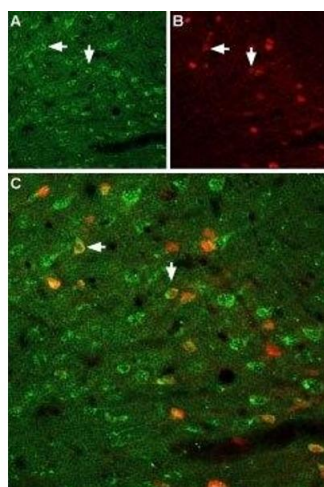
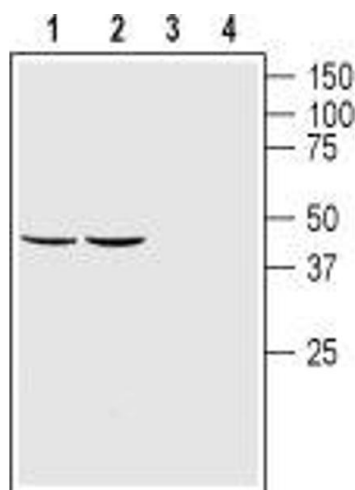
Target:	GFRA1
Alternative Name:	GFR alpha 1 (GFRA1 Products)
Background:	Alternative names: GFR alpha 1, GFRA1, GFRalpha1, GDNF family receptor alpha1, GDNF receptor alpha 1, Ret ligand 1, RETL1, TRNR1
Gene ID:	25454
NCBI Accession:	NM_145793
UniProt:	Q62997

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-GFR alpha 1 (extracellular) Antibody (ABIN7043211, ABIN7044777 and ABIN7044778), (1:200).3,4. Anti-GFR alpha 1 (extracellular) Antibody, preincubated with GFR α 1 (extracellular) Blocking Peptide (#BLP-NT021).

Immunohistochemistry

Image 2. Expression of GFRA1 in rat neocortex - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-GFR alpha 1 (extracellular) Antibody (ABIN7043211, ABIN7044777 and ABIN7044778), (1:100). A. GFRA1 (green) is visualized in neocortex neurons. B. Neurons expressing γ-aminobutyric acid (GABA) are labeled with parvalbumin (red). C. Merge of the two images demonstrates partial colocalization (arrows).

Immunocytochemistry

Image 3. Expression of GFRA1 in live intact rat C6 glioma cells - Cell surface detection of GFRA1 in live intact rat C6 glioma cells with Anti-GFR alpha 1 (extracellular) Antibody (ABIN7043211, ABIN7044777 and ABIN7044778), (1:50), followed by goat-anti-rabbit-DyLight-594 secondary antibody (red) (A). B. Live view of the cells. C. Merge of the two images.

