

Datasheet for ABIN7043216
anti-GDNF antibody (C-Term)



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4 Images

Overview

| | |
|----------------------|---|
| Quantity: | 50 µL |
| Target: | GDNF |
| Binding Specificity: | AA 192-207, C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GDNF antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF) |

Product Details

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|------------------|---|
| Immunogen: | Immunogen: Synthetic peptide Immunogen Sequence: (C)DDNLVYHILRKHSKR, corresponding to amino acid residues 192-207 of human GDNF (precursor) |
| Isotype: | IgG |
| Characteristics: | Anti-GDNF Antibody is directed against an epitope of human GDNF. Anti-GDNF Antibody (ABIN7043216, ABIN7044765 and ABIN7044766) can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize GDNF from human, mouse and rat samples. |
| Purification: | Affinity purified on immobilized antigen. |

Target Details

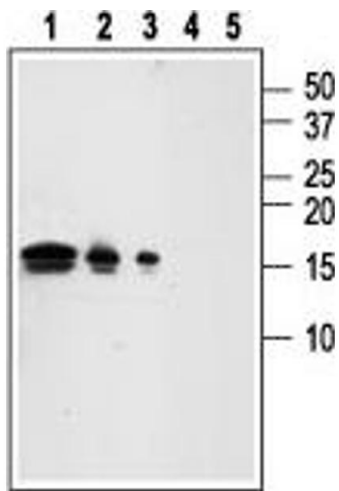
| | |
|-------------------|---|
| Target: | GDNF |
| Alternative Name: | GDNF (GDNF Products) |
| Background: | Alternative names: GDNF, Glial-derived neurotrophic factor, hGDNF, Astrocyte-derived trophic factor |
| Gene ID: | 2668 |
| NCBI Accession: | NM_000514 |
| UniProt: | P39905 |
| Pathways: | RTK Signaling , Synaptic Membrane , Tube Formation , Autophagy , Smooth Muscle Cell Migration |

Application Details

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

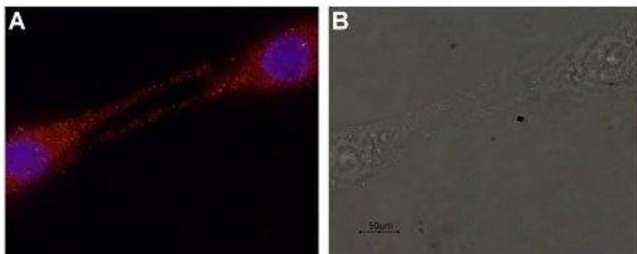
Handling

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|--------------------|---|
| 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). |



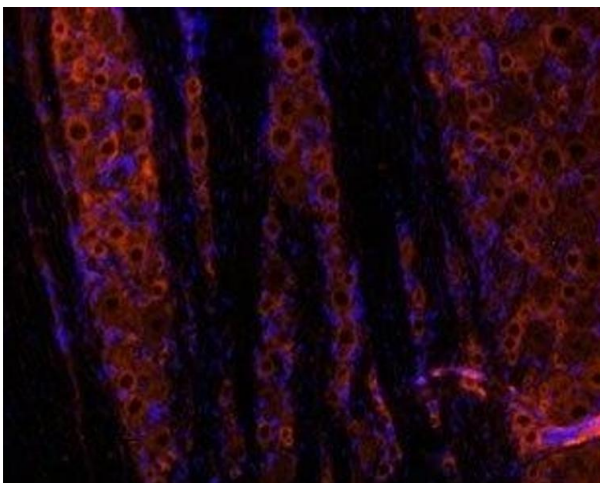
Western Blotting

Image 1. Western blot analysis of Recombinant human GDNF protein: - Lanes 1, 4: 50 ng Recombinant human GDNF protein (#G-240). Lanes 2, 5: 10 ng Recombinant human GDNF protein. Lanes 3, 4: 1 ng Recombinant human GDNF protein. Lanes 1-3: Anti-GDNF Antibody (ABIN7043216, ABIN7044765 and ABIN7044766), (1:1000). Lanes 4-5: Anti-GDNF Antibody, preincubated with GDNF Blocking Peptide (#BLP-NT014).



Immunocytochemistry

Image 2. Expression of GDNF in rat C6 glioma cells - Immunocytochemical staining of GDNF in rat C6 glioma cells. A. Paraformaldehyde-fixed and permeabilized rat C6 glioma cells were stained with Anti-GDNF Antibody (ABIN7043216, ABIN7044765 and ABIN7044766), (1:200) followed by goat anti-rabbit-AlexaFluor-555 secondary antibody (red). Nuclei were visualized with the cell-permeable dye Hoechst 33342 (blue). B. Live view of the same field as in (A).



Immunohistochemistry

Image 3. Expression of GDNF in rat dorsal root ganglion (DRG). - Immunohistochemical staining of rat DRG longitudinal frozen section using Anti-GDNF Antibody (ABIN7043216, ABIN7044765 and ABIN7044766), (1:50), followed by Alexa 555-conjugated goat anti-rabbit antibody (red). Hoechst 33342 (blue) was used as a counterstain. GDNF staining is specific for neurons. Note that Schwann cells as well as satellite glial cells are both negative.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043216.