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## Datasheet for ABIN7127513 Recombinant anti-GDNF antibody

5 Images



### Overview

Quantity:	100 μL
Target:	GDNF
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GDNF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Flow Cytometry (FACS)

## Product Details

Immunogen:	A synthesized peptide derived from human GDNF
Clone:	11D2
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

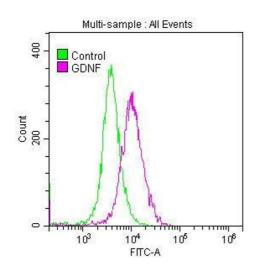
## Target Details

Target:	GDNF
Alternative Name:	GDNF (GDNF Products)

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Target Details	
Background:	Background: Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. Aliases: Glial cell line-derived neurotrophic factor, hGDNF, Astrocyte-derived trophic factor, ATF, GDNF
UniProt:	P39905
Pathways:	RTK Signaling, Synaptic Membrane, Tube Formation, Autophagy, Smooth Muscle Cell Migration
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

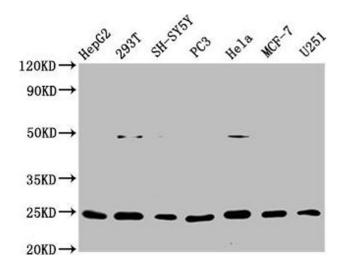
## Images

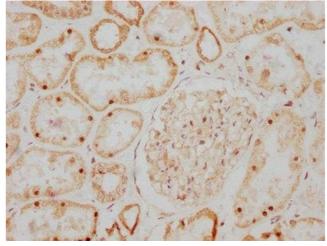


## Flow Cytometry

**Image 1.** Overlay histogram showing SH-SY5Y cells stained with ABIN7127513 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then permeabilized with 0.3 % Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 °C. Control

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antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HepG2 whole cell lysate, 293T whole cell lysate, SH-SY5Y whole cell lysate, PC3 whole cell lysate, Hela whole cell lysate, MCF-7 whole cell lysate, U251 whole cell lysate All lanes: GDNF antibody at 1 µg/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 24, 21, 26, 23, 19 KDa Observed band size: 24 KDa

#### Immunohistochemistry

**Image 3.** IHC image of ABIN7127513 diluted at 1:107.5 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the product details page for more images. Overall 5 images are available for ABIN7127513.

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