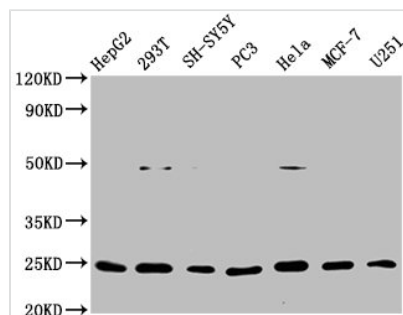




GDNF Recombinant Monoclonal Antibody

Product Code	CSB-RA009356A0HU
Abbreviation	Glial cell line-derived neurotrophic factor
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P39905
Immunogen	A synthesized peptide derived from human GDNF
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, FC, IP; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000
Relevance	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Glial cell line-derived neurotrophic factor, hGDNF, Astrocyte-derived trophic factor, ATF, GDNF
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	GDNF
Clone No.	11D2

Image



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

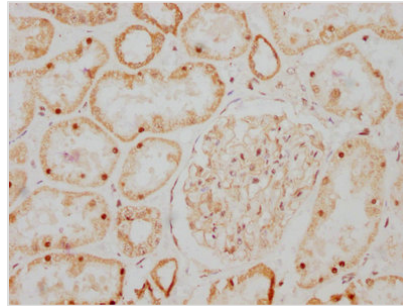
All lanes: GDNF antibody at 1µg/ml

Secondary

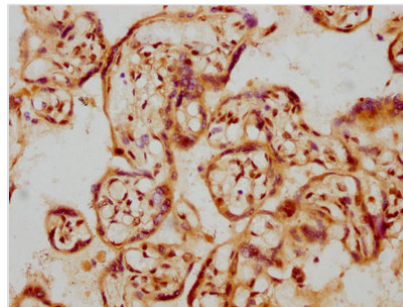
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 24, 21, 26, 23, 19 KDa

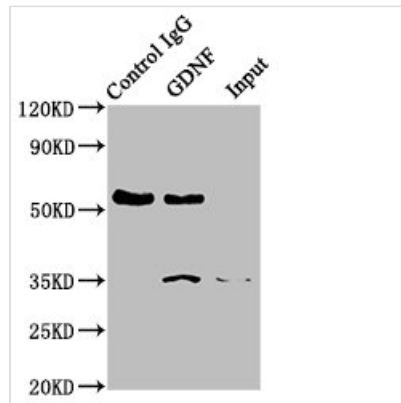
Observed band size: 24 KDa



IHC image of CSB-RA009356A0HU diluted at 1:107.5 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of CSB-RA009356A0HU diluted at 1:107.5 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

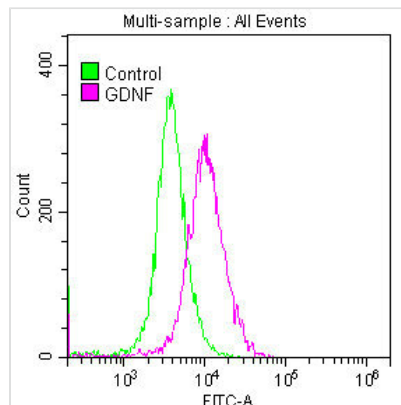


Immunoprecipitating GDNF in HeLa whole cell lysate

Lane 1: Rabbit control IgG instead of CSB-RA009356A0HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-RA009356A0HU (3μg) + HeLa whole cell lysate (500μg)

Lane 3: HeLa whole cell lysate (20μg)



Overlay histogram showing SH-SY5Y cells stained with CSB-RA009356A0HU (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?. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4?. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.