

Anti-GDNF Antibody (9S160)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9S160
Purification:	Affinity-chromatography

Applications

1. 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

2. IHC image of TMAH-00483 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

3. IHC image of TMAH-00483 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

4. Immunoprecipitating GDNF in Hela whole cell lysate

-Lane 1: Rabbit control IgG instead of TMAH-00483 in Hela whole cell lysate.

For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

-Lane 2: TMAH-00483 (3µg) + Hela whole cell lysate (500µg)

-Lane 3: Hela whole cell lysate (20µg)

5. Overlay histogram showing SH-SY5Y cells stained with TMAH-00483 (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 antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Verified Activity:

A DRUG SCREENING EXPERT

Application: ELISA, WB, IHC, FCM, IP

Recommended WB:1:500-1:5000; IHC:1:50-1:200; IP:1:200-1:1000.

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human GDNF

Antigen Species: Human

Gene ID: 2668

Uniprot ID: P39905

Biology Area: Neuroscience

Research Background

Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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