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GFR α -3 (h3): 293T Lysate: sc-176344

BACKGROUND

Glial cell line-derived neurotrophic factor (GDNF) and the related neurotrophic factor neurturin (NTN) are potent survival factors for central and peripheral neurons. GDNF is a glycosylated, disulfide-bonded homodimer that is distantly related to the TGF β superfamily of growth factors. Three receptors for these factors, GFR α -1 (also designated GDNFR- α , RETL1 or TrnR-1), GFR α -2 (also designated GDNFR- β , RETL2, NTN- α or TrnR-2) and GFR α -3 have been identified. The receptors do not contain transmembrane domains and are attached to the cell membrane by glycosyl-phosphoinositol linkage. Both GFR α -1 and GFR α -2 have been shown to mediate the GDNF-dependent and NTN-dependent phosphorylation and activation of the tyrosine kinase Ret. GFR α -3 is expressed only during development.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GFRA3 (human) mapping to 5q31.2.

PRODUCT

GFR α -3 (h3): 293T Lysate represents a lysate of human GFR α -3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20 $^{\circ}$ C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

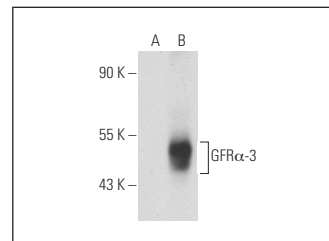
APPLICATIONS

GFR α -3 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive GFR α -3 antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

GFR α -3 (J135): sc-74047 is recommended as a positive control antibody for Western Blot analysis of enhanced human GFR α -3 expression in GFR α -3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



GFR α -3 (J135): sc-74047. Western blot analysis of GFR α -3 expression in non-transfected: sc-117752 (A) and human GFR α -3 transfected: sc-176344 (B) 293T whole cell lysates.

PROTOCOLS

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