

Artn (BQ-74X): sc-73715

BACKGROUND

Neurotrophic factors are soluble proteins that are involved in the development and maintenance of the peripheral and central nervous systems. Glial cell line-derived neurotrophic factor (GDNF), neurturin (NTN) and persephin (PSP) are members of a family of neurotrophic factors that is distantly related to the TGF β superfamily. PSP, like GDNF and NTN, promotes survival and inhibits degeneration of dopaminergic neurons. Unlike GDNF and NTN, however, PSP does not appear to support peripheral neurons. An additional member of the GDNF ligand family, artemin (Artn), interacts preferentially with the GFR α -3-Ret receptor complex, but it can also interact with the GFR α -1-Ret receptor complex, which is the preferred receptor of GDNF. Artn is also capable of supporting peripheral and central neurons.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Artn (mouse) mapping to 4 D2.1.

SOURCE

Artn (BQ-74X) is a rat monoclonal antibody raised against full length recombinant Artn of mouse origin.

PRODUCT

Each vial contains 50 μ g IgG_{2a} in 0.5 ml of PBS with < 0.1% sodium azide and protein stabilizer.

RESEARCH USE

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

APPLICATIONS

Artn (BQ-74X) is recommended for detection of Artn of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Artn siRNA (m): sc-41967, Artn shRNA Plasmid (m): sc-41967-SH and Artn shRNA (m) Lentiviral Particles: sc-41967-V.

Molecular Weight of Artn: 27 kDa.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.