

DIP2C (S-19): sc-67619

BACKGROUND

DIP2C (disco-interacting protein 2 homolog C) is a 1,556 amino acid protein. It is one of three human homologs of the *Drosophila* dip2 (disconnected-interacting protein 2) protein. In *Drosophila*, dip2 interacts with disco, a protein required for neuronal connections in the visual systems of larvae and adults. The closest vertebrate homologs to disco are the basoon/clin genes. In mice, DIP2 homologs show restricted expression to the brain. This suggests that, similar to the function of *Drosophila* dip2, vertebrate DIP2 homologs (DIP2A, DIP2B and DIP2C) may play a role in the development of the nervous system.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DIP2C (human) mapping to 10p15.3; Dip2c (mouse) mapping to 13 A1.

SOURCE

DIP2C (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DIP2C of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-67619 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

RESEARCH USE

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

APPLICATIONS

DIP2C (S-19) is recommended for detection of DIP2C of mouse, rat and human 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

DIP2C (S-19) is also recommended for detection of DIP2C in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for DIP2C siRNA (h): sc-62216, DIP2C siRNA (m): sc-62217, DIP2C shRNA Plasmid (h): sc-62216-SH, DIP2C shRNA Plasmid (m): sc-62217-SH, DIP2C shRNA (h) Lentiviral Particles: sc-62216-V and DIP2C shRNA (m) Lentiviral Particles: sc-62217-V.

Molecular Weight of DIP2C: 171 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

PROTOCOLS

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