

# DIP2C (H-46): sc-68391

## 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 basonuclein 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 (H-46) is a rabbit polyclonal antibody raised against amino acids 39-84 mapping near the N-terminus of DIP2C of human origin.

## PRODUCT

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

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## APPLICATIONS

DIP2C (H-46) 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), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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 (H-46) is also recommended for detection of DIP2C in additional species, including canine and bovine.

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.

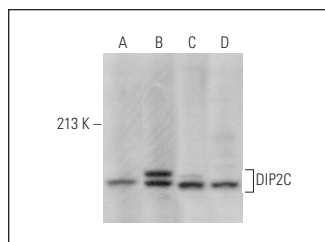
Molecular Weight of DIP2C: 171 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HEK293 whole cell lysate: sc-45136 or SH-SY5Y cell lysate: sc-3812.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



DIP2C (H-46): sc-68391. Western blot analysis of DIP2C expression in HeLa (A), Jurkat (B), HEK293 (C) and SH-SY5Y (D) whole cell lysates.

## RESEARCH USE

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