

BFP (N-15): sc-74348

BACKGROUND

The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. BFP (brain finger protein), also known as RNF112 (RING finger protein 112) or ZNF179 (zinc finger protein 179), is a 632 amino acid protein that is expressed predominantly in brain where it may be involved in protein degradation pathways, as well as in the development of P19 embryonic carcinoma. The gene encoding BFP maps within a region of human chromosome 17 that is associated with Smith-Magenis syndrome (SMS), suggesting a role for BFP in the pathogenesis of SMS.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RNF112 (human) mapping to 17p11.2; Rnf112 (mouse) mapping to 11 B2.

SOURCE

BFP (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of BFP 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.

Blocking peptide available for competition studies, sc-74348 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

BFP (N-15) is recommended for detection of BFP 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).

BFP (N-15) is also recommended for detection of BFP in additional species, including equine.

Suitable for use as control antibody for BFP siRNA (h): sc-72647, BFP siRNA (m): sc-72648, BFP shRNA Plasmid (h): sc-72647-SH, BFP shRNA Plasmid (m): sc-72648-SH, BFP shRNA (h) Lentiviral Particles: sc-72647-V and BFP shRNA (m) Lentiviral Particles: sc-72648-V.

Molecular Weight of BFP: 68 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

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.

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.

PROTOCOLS

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