



BFP (O-23): sc-130976

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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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 or our catalog for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: RNF112 (human) mapping to 17p11.2.

SOURCE

BFP (O-23) is an affinity purified rabbit polyclonal antibody raised against synthetic BFP peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

BFP (O-23) is recommended for detection of BFP of 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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

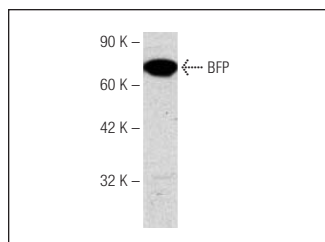
Molecular Weight of BFP: 68 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or T3 671 whole cell lysate.

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).

DATA



BFP (O-23): sc-130976. Western blot analysis of BFP expression in Hep G2 whole cell lysate.

RESEARCH USE

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