

# BRPF3 (E-15): sc-241935

## BACKGROUND

BRPF3 (bromodomain and PHD finger-containing protein 3) is a 1,205 amino acid protein that forms a complex with MORF, MOZ, ING5, MEAF6 and BRPF. BRPF3 contains one bromo domain, a PHD-type zinc finger and a single PWWP domain. The gene encoding BRPF3 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: BRPF3 (human) mapping to 6p21.31; Brpf3 (mouse) mapping to 17 A3.3.

## SOURCE

BRPF3 (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of BRPF3 of human origin.

## STORAGE

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

## 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-241935 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

BRPF3 (E-15) is recommended for detection of BRPF3 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).

BRPF3 (E-15) is also recommended for detection of BRPF3 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for BRPF3 siRNA (h): sc-95485, BRPF3 siRNA (m): sc-141753, BRPF3 shRNA Plasmid (h): sc-95485-SH, BRPF3 shRNA Plasmid (m): sc-141753-SH, BRPF3 shRNA (h) Lentiviral Particles: sc-95485-V and BRPF3 shRNA (m) Lentiviral Particles: sc-141753-V.

Molecular Weight of BRPF3: 136 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.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.