

IBRDC1 (G-20): sc-168119

BACKGROUND

IBRDC1 (IBR domain-containing protein 1), also known as RNF217, is a 275 amino acid single pass membrane protein that contains 2 IBR (in between ring fingers)-type zinc finger motifs. It is a member of the RBR (ring between ring fingers) family of diverse proteins and belongs to the animal-specific I subfamily. RBR proteins participate in a wide variety of cellular events, including RNA metabolism, translation, transcription, cell-cycle control, cellular signaling, subcellular tethering and regulation of posttranslational modifications. IBRDC1 is believed to function as an E3 ubiquitin ligase that participates in protein ubiquitinylation and degradation.

REFERENCES

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2. Marín, I., et al. 2004. Parkin and relatives: the RBR family of ubiquitin ligases. *Physiol. Genomics* 17: 253-263.
3. Arnau, V., et al. 2006. UVPAR: fast detection of functional shifts in duplicate genes. *BMC Bioinformatics* 7: 174-174.
4. Lucas, J.I., et al. 2006. Comparative genomics and protein domain graph analyses link ubiquitination and RNA metabolism. *J. Mol. Biol.* 357: 9-17.
5. Beasley, S.A., et al. 2007. Structure of the Parkin in-between-ring domain provides insights for E3-ligase dysfunction in autosomal recessive Parkinson's disease. *Proc. Natl. Acad. Sci. USA* 104: 3095-3100.
6. Eisenhaber, B., et al. 2007. The ring between ring fingers (RBR) protein family. *Genome Biol.* 8: 209-209.

CHROMOSOMAL LOCATION

Genetic locus: RNF217 (human) mapping to 6q22.31; Rnf217 (mouse) mapping to 10 A4.

SOURCE

IBRDC1 (G-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of IBRDC1 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-168119 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-168119 X, 200 µg/0.1 ml.

STORAGE

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

APPLICATIONS

IBRDC1 (G-20) is recommended for detection of IBRDC1 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); non cross-reactive with IBRDC2 of murine origin or p53RFP of human origin.

IBRDC1 (G-20) is also recommended for detection of IBRDC1 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for IBRDC1 siRNA (h): sc-95131, IBRDC1 siRNA (m): sc-146130, IBRDC1 shRNA Plasmid (h): sc-95131-SH, IBRDC1 shRNA Plasmid (m): sc-146130-SH, IBRDC1 shRNA (h) Lentiviral Particles: sc-95131-V and IBRDC1 shRNA (m) Lentiviral Particles: sc-146130-V.

IBRDC1 (G-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of IBRDC1: 32 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.

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.