

RNF152 (P-12): sc-85120

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. RNF152 (RING-finger protein 152) is a 203 amino acid protein that contains one RING-type zinc finger and may be involved in protein degradation events throughout the cell. The gene encoding RNF152 maps to human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RNF152 (human) mapping to 18q21.33; Rnf152 (mouse) mapping to 1 E2.1.

SOURCE

RNF152 (P-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RNF152 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 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85120 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-85120 X, 100 µg/0.1 ml.

APPLICATIONS

RNF152 (P-12) is recommended for detection of RNF152 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 other RNF family members.

RNF152 (P-12) is also recommended for detection of RNF152 in additional species, including equine, canine, porcine and avian.

Suitable for use as control antibody for RNF152 siRNA (h): sc-76415, RNF152 siRNA (m): sc-153020, RNF152 shRNA Plasmid (h): sc-76415-SH, RNF152 shRNA Plasmid (m): sc-153020-SH, RNF152 shRNA (h) Lentiviral Particles: sc-76415-V and RNF152 shRNA (m) Lentiviral Particles: sc-153020-V.

RNF152 (P-12) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of RNF152: 22 kDa.

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) 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.

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.


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Try **RNF152 (F-6): sc-398391** or **RNF152 (F-4): sc-398407**, our highly recommended monoclonal alternatives to RNF152 (P-12).