



RNF38 (P-14): sc-132076

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. RNF38 (RING finger protein 38) is a 515 amino acid protein that contains one RING-type zinc finger through which it may play a role in transcriptional regulation and protein degradation events. Defects in the gene encoding RNF38 are associated with a variety of disorders, including acromesomelic dysplasia (AMDM), arthrogryposis distal multiplex congenita type 1 (AMCD1) and autosomal recessive ataxic cerebral palsy (ACP), as well as various malignancies. Two isoforms of RNF38 are expressed due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RNF38 (human) mapping to 9p13.2; Rnf38 (mouse) mapping to 4 B1.

SOURCE

RNF38 (P-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RNF38 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-132076 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-132076 X, 200 µg/0.1 ml.

RESEARCH USE

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

APPLICATIONS

RNF38 (P-14) is recommended for detection of RNF38 isoforms 1 and 2 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.

Suitable for use as control antibody for RNF38 siRNA (h): sc-92932, RNF38 siRNA (m): sc-153048, RNF38 shRNA Plasmid (h): sc-92932-SH, RNF38 shRNA Plasmid (m): sc-153048-SH, RNF38 shRNA (h) Lentiviral Particles: sc-92932-V and RNF38 shRNA (m) Lentiviral Particles: sc-153048-V.

RNF38 (P-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of RNF38: 49 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.

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.