

# RNF126 (H-106): sc-135374

## 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 protein-protein interactions and protein-DNA interactions. RNF126 (RING finger protein 126) contains one RING-type zinc finger domain and is known to interact with TRAF6 (a ubiquitin ligase) and BAT3 (an apoptotic regulator). RNF126 shares 46% overall amino acid identity with ZNF364 (an E3 ligase that is closely linked to human breast cancer) and 75% amino acid identity within the RING domain. This suggests that RNF126 may have a similar function to that of ZNF364. Due to alternative splicing events, two isoforms exist for RNF126.

## CHROMOSOMAL LOCATION

Genetic locus: RNF126 (human) mapping to 19p13.3; Rnf126 (mouse) mapping to 10 C1.

## SOURCE

RNF126 (H-106) is a rabbit polyclonal antibody raised against amino acids 41-146 mapping within an internal region of RNF126 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.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-135374 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

RNF126 (H-106) is recommended for detection of RNF126 of mouse, rat and 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)], 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).

RNF126 (H-106) is also recommended for detection of RNF126 in additional species, including canine and bovine.

Suitable for use as control antibody for RNF126 siRNA (h): sc-97281, RNF126 siRNA (m): sc-153008, RNF126 shRNA Plasmid (h): sc-97281-SH, RNF126 shRNA Plasmid (m): sc-153008-SH, RNF126 shRNA (h) Lentiviral Particles: sc-97281-V and RNF126 shRNA (m) Lentiviral Particles: sc-153008-V.

RNF126 (H-106) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

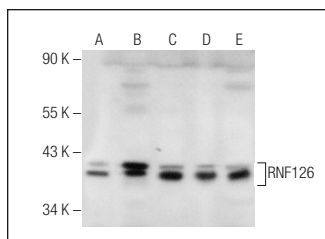
Molecular Weight of RNF126: 36 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210, RAW 264.7 whole cell lysate: sc-2211 or PC-12 cell lysate: sc-2250.

## 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). 3) 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.

## DATA



RNF126 (H-106): sc-135374. Western blot analysis of RNF126 expression in NIH/3T3 (A), Jurkat (B), RAW 264.7 (C), PC-12 (D) and U-251 MG (E) whole cell lysates.

## 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.

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Try **RNF126 (C-1): sc-376005**, our highly recommended monoclonal alternative to RNF126 (H-106).