

# RNF165 (W-23): sc-133968

## 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. Specifically, they are thought to be involved in the ubiquitination pathway of protein degradation. RNF165 (RING finger protein 165) is a 346 amino acid protein that contains one RING-type zinc finger. Via its RING-type zinc finger, RNF165 may play a role in transcriptional regulation and protein degradation events. The gene encoding RNF165 maps to human chromosome 18, which houses over 300 genes, including Trisomy 18, or Edwards syndrome, the second most common trisomy after Down syndrome. Translocation between chromosome 18 and 14 is the most common translocation in cancers, and occurs in follicular lymphomas. Niemann-Pick disease, hereditary hemorrhagic telangiectasia and erythropoietic protoporphyria are also associated with chromosome 18.

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## RESEARCH USE

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

## CHROMOSOMAL LOCATION

Genetic locus: RNF165 (human) mapping to 18q21.1; Rnf165 (mouse) mapping to 18 E3.

## SOURCE

RNF165 (W-23) is a Protein A purified rabbit polyclonal antibody raised against synthetic RNF165 peptide of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

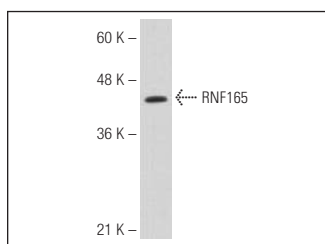
RNF165 (W-23) is recommended for detection of RNF165 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for RNF165 siRNA (h): sc-76416, RNF165 siRNA (m): sc-153021, RNF165 shRNA Plasmid (h): sc-76416-SH, RNF165 shRNA Plasmid (m): sc-153021-SH, RNF165 shRNA (h) Lentiviral Particles: sc-76416-V and RNF165 shRNA (m) Lentiviral Particles: sc-153021-V.

Molecular Weight of RNF165: 40 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

## DATA



RNF165 (W-23): sc-133968. Western blot analysis of RNF165 expression in Jurkat whole cell lysate.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.