



## RNF17 (L-20): sc-85126

### 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. RNF17 (ring finger protein 17) or tudor domain-containing protein 4, TDRD4, SPATA23, Mmip-2 or FLJ11045, is a testis-specific protein and a novel key regulator of spermiogenesis containing 1,623 amino acids. By distributing Mad proteins to the cytoplasm, RNF17 regulates the transcriptional activity of c-Myc. Although showing localization in the nucleus, RNF17 is predominantly observed in cytoplasm and is a component of a novel nuage found in male germ cells. The gene encoding RNF17 maps to human chromosome 13q12.12 and encodes one RING-type zinc finger and four tudor domains. As a result of alternative splice events, five RNF17 isoforms exist.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: RNF17 (human) mapping to 13q12.12.

### STORAGE

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

### SOURCE

RNF17 (L-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RNF17 of human origin.

### 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-85126 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

RNF17 (L-20) is recommended for detection of RNF17 of 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 RNF17 siRNA (h): sc-76417, RNF17 shRNA Plasmid (h): sc-76417-SH and RNF17 shRNA (h) Lentiviral Particles: sc-76417-V.

Molecular Weight of RNF17: 184 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](http://www.scbt.com) or our catalog for detailed protocols and support products.