**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. RNF168 (RING finger protein 168) is a 571 amino acid protein that contains one RING-type zinc finger. Via its RING-type zinc finger, RNF168 may play a role in transcriptional regulation and protein degradation events. The gene encoding RNF168 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: RNF168 (human) mapping to 3q29; Rnf168 (mouse) mapping to 16 B2.

**SOURCE**

RNF168 (B-11) is a mouse monoclonal antibody raised against recombinant RNF168 of human origin.

**PRODUCT**

Each vial contains 100 µg IgG\(_2\)kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

RNF168 (B-11) is recommended for detection of RNF168 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).

Suitable for use as control antibody for RNF168 siRNA (h): sc-78089, RNF168 siRNA (m): sc-153024, RNF168 shRNA Plasmid (h): sc-78089-V and RNF168 shRNA Plasmid (m): sc-153024-V.

Molecular Weight of RNF168: 65 kDa.

**STORAGE**

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

**RESEARCH USE**

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

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

**SELECT PRODUCT CITATIONS**


