

RNF122 (G-13): sc-98113

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. RNF122 (ring finger protein 122) is a 155 amino acid single-pass membrane protein protein that contains one RING-type zinc finger and localizes to the Golgi apparatus and endoplasmic reticulum. Widely expressed, RNF122 is believed to induce apoptosis and necrosis, and may influence cell viability. The gene encoding RNF122 maps to human chromosome 8, which consists of nearly 146 million base pairs, encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

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CHROMOSOMAL LOCATION

Genetic locus: RNF122 (human) mapping to 8p12; Rnf122 (mouse) mapping to 8 A3.

SOURCE

RNF122 (G-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RNF122 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-98113 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-98113 X, 100 µg/0.1 ml.

APPLICATIONS

RNF122 (G-13) is recommended for detection of RNF122 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).

RNF122 (G-13) is also recommended for detection of RNF122 in additional species, including equine, canine, bovine and porcine.

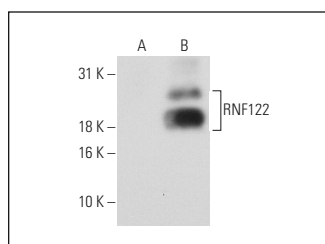
Suitable for use as control antibody for RNF122 siRNA (h): sc-77540, RNF122 siRNA (m): sc-153005, RNF122 shRNA Plasmid (h): sc-77540-SH, RNF122 shRNA Plasmid (m): sc-153005-SH, RNF122 shRNA (h) Lentiviral Particles: sc-77540-V and RNF122 shRNA (m) Lentiviral Particles: sc-153005-V.

RNF122 (G-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of RNF122: 17 kDa.

Positive Controls: RNF122 (m): 293T Lysate: sc-123230.

DATA



RNF122 (G-13): sc-98113. Western blot analysis of RNF122 expression in non-transfected: sc-117752 (A) and mouse RNF122 transfected: sc-123230 (B) 293T whole cell lysates.

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.