

ZNF277 (SS-17): sc-100982

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF277 (zinc finger protein 277), also known as NRIF4 or ZNF277P, is a 438 amino acid protein that contains 2 C₂H₂-type zinc fingers and is thought to localize to the nucleus. Expressed in fetal liver, lymph node, spleen and peripheral blood leukocytes, ZNF277 may function as a transcriptional repressor that plays a role in cell growth and differentiation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF277 (human) mapping to 7q31.1.

SOURCE

ZNF277 (SS-17) is a mouse monoclonal antibody raised against recombinant ZNF277 of human origin.

PRODUCT

Each vial contains 100 µg IgG₁ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

ZNF277 (SS-17) is recommended for detection of ZNF277 of 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 ZNF277 siRNA (h): sc-89868, ZNF277 shRNA Plasmid (h): sc-89868-SH and ZNF277 shRNA (h) Lentiviral Particles: sc-89868-V.

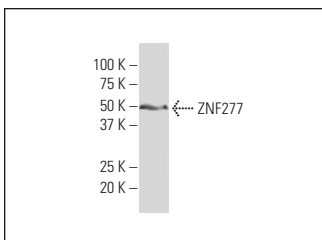
Molecular Weight of ZNF277: 52 kDa.

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

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



ZNF277 (SS-17): sc-100982. Western blot analysis of ZNF277 expression in Jurkat whole cell lysate.

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.