

# ZNF81 (3426C1a): sc-81429

## 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 krueppel-type DNA-binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF81, also known as HFZ20 or MRX45, is a transcriptional regulator belonging to the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. It localizes to the nucleus and contains 12 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and one KRAB domain. Mutations in the gene encoding ZNF81 are implicated in nonsyndromic X-linked mental retardation (XLMR).

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF81 (human) mapping to Xp11.23.

## SOURCE

ZNF81 (3426C1a) is a mouse monoclonal antibody raised against a recombinant protein corresponding to a region near the C-terminus of ZNF81 of human origin.

## RESEARCH USE

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

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 1.0% stabilizer protein.

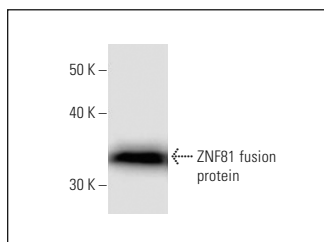
## APPLICATIONS

ZNF81 (3426C1a) is recommended for detection of ZNF81 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)].

Suitable for use as control antibody for ZNF81 siRNA (h): sc-77007, ZNF81 shRNA Plasmid (h): sc-77007-SH and ZNF81 shRNA (h) Lentiviral Particles: sc-77007-V.

Molecular Weight of ZNF81: 76 kDa.

## DATA



ZNF81 (3426C1a): sc-81429. Western blot analysis of human recombinant ZNF81 fusion protein.

## STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.