

ZNF174 (H-77): sc-98279



The Power to Question

BACKGROUND

ZNF174, also known as ZSCAN8 or AW-1, is a transcriptional repressor that belongs to the Krüppel C₂H₂-type zinc-finger protein family. It is expressed in a number of different tissues, including small intestine, prostate, colon, spleen, pancreas, skeletal muscle, brain, heart, kidney and thymus, but it is most predominantly found in adult ovary and testis. ZNF174 specifically acts to repress the promoter activities of PDGF-B and TGFβ1. ZNF174 localizes to the nucleus and contains three C₂H₂-type zinc fingers at the C-terminus and one SCAN domain near the N-terminus. SCAN domains are found in a number of zinc finger proteins and are characterized by a conserved region of 84 residues. The SCAN domain seemingly regulates the association of proteins containing SCAN domains into noncovalent complexes and may also function as an underlying mechanism in selective oligomerization of these proteins.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF174 (human) mapping to 16p13.3; Zfp174 (mouse) mapping to 16 A1.

SOURCE

ZNF174 (H-77) is a rabbit polyclonal antibody raised against amino acids 107-180 mapping within an internal region of ZNF174 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98279 X, 200 µg/0.1 ml.

APPLICATIONS

ZNF174 (H-77) is recommended for detection of ZNF174 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).

ZNF174 (H-77) is also recommended for detection of ZNF174 in additional species, including equine, canine and porcine.

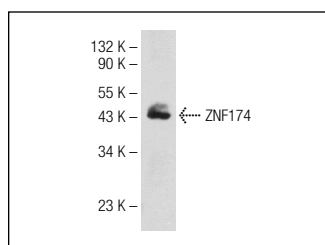
Suitable for use as control antibody for ZNF174 siRNA (h): sc-93459, ZNF174 siRNA (m): sc-155645, ZNF174 shRNA Plasmid (h): sc-93459-SH, ZNF174 shRNA Plasmid (m): sc-155645-SH, ZNF174 shRNA (h) Lentiviral Particles: sc-93459-V and ZNF174 shRNA (m) Lentiviral Particles: sc-155645-V.

ZNF174 (H-77) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

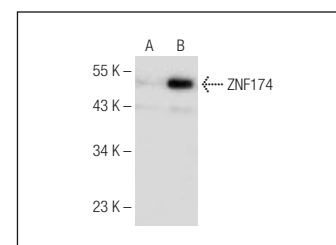
Molecular Weight of ZNF174: 46 kDa.

Positive Controls: SW-13 cell lysate: sc-24778 or human ZNF174 transfected HEK293T whole cell lysate.

DATA



ZNF174 (H-77): sc-98279. Western blot analysis of ZNF174 expression in SW-13 whole cell lysate.



ZNF174 (H-77): sc-98279. Western blot analysis of ZNF174 expression in non-transfected (A) and human ZNF174 transfected (B) HEK293T 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.