

# ZNF326 (P-14): sc-131840



The Power to Question

## 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. ZNF326 (zinc-finger protein 326), also known as ZAN75 or Zfp326, is a 582 amino acid protein that belongs to the AKAP95 family. Localized to the nuclear matrix, ZNF326 is thought to function as a transcriptional activator that may play a role in neuronal differentiation events during development. Two isoforms of ZNF326 exist due to alternative splicing.

## REFERENCES

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- Yu, L.R., Zhu, Z., Chan, K.C., Issaq, H.J., Dimitrov, D.S. and Veenstra, T.D. 2007. Improved titanium dioxide enrichment of phosphopeptides from HeLa cells and high confident phosphopeptide identification by cross-validation of MS/MS and MS/MS/MS spectra. *J. Proteome Res.* 6: 4150-4162.

## CHROMOSOMAL LOCATION

Genetic locus: ZNF326 (human) mapping to 1p22.2; Zfp326 (mouse) mapping to 5 E5.

## SOURCE

ZNF326 (P-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF326 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.

Blocking peptide available for competition studies, sc-131840 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## RESEARCH USE

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

## APPLICATIONS

ZNF326 (P-14) is recommended for detection of ZNF326 isoform 1 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); non cross-reactive with ZNF326 isoform 2.

ZNF326 (P-14) is also recommended for detection of ZNF326 isoform 1 in additional species, including equine and canine.

Suitable for use as control antibody for ZNF326 siRNA (h): sc-88338, ZNF326 siRNA (m): sc-155687, ZNF326 shRNA Plasmid (h): sc-88338-SH, ZNF326 shRNA Plasmid (m): sc-155687-SH, ZNF326 shRNA (h) Lentiviral Particles: sc-88338-V and ZNF326 shRNA (m) Lentiviral Particles: sc-155687-V.

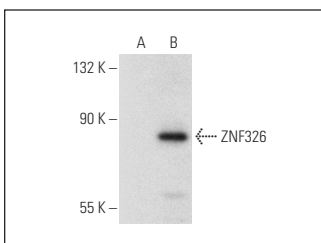
Molecular Weight of ZNF326: 65 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or ZNF326 (h): 293T Lysate: sc-111625.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



ZNF326 (P-14): sc-131840. Western blot analysis of ZNF326 expression in non-transfected: sc-117752 (A) and human ZNF326 transfected: sc-111625 (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.

## PROTOCOLS

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