

# ZNF205 (W-21): sc-134176

## 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. As a member of the krueppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family, ZNF205 (zinc finger protein 205), also known as Zinc finger protein 210, is a 554 amino acid nuclear protein that contains one KRAB domain and eight C<sub>2</sub>H<sub>2</sub>-type zinc fingers. ZNF205 is moderately expressed in pancreas, heart, brain and skeletal muscle where it functions as a transcription regulator. The gene encoding ZNF205 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF205 (human) mapping to 16p13.3.

## SOURCE

ZNF205 (W-21) is a Protein A purified rabbit polyclonal antibody raised against synthetic ZNF205 peptide of human origin.

## STORAGE

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

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

ZNF205 (W-21) is recommended for detection of ZNF205 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 ZNF205 siRNA (h): sc-93431, ZNF205 shRNA Plasmid (h): sc-93431-SH and ZNF205 shRNA (h) Lentiviral Particles: sc-93431-V.

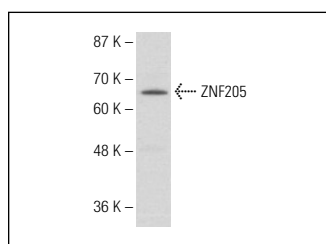
Molecular Weight of ZNF205: 61 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker<sup>™</sup> compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> 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).

## DATA



ZNF205 (W-21): sc-134176. Western blot analysis of ZNF205 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](http://www.scbt.com) or our catalog for detailed protocols and support products.