

ZFP106 (D-19): sc-102169

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. ZFP106 (Zinc finger protein 106), also known as zinc finger protein 474, is a 1,883 amino acid human homolog of the mouse Zfp106 protein and is a member of the Krüppel C₂H₂-type zinc-finger family. Localized to the nucleus, ZFP106 contains two C₂H₂-type zinc-fingers and is thought to be involved in transcriptional regulation.

REFERENCES

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- Walter, L. and Günther, E. 2000. Physical mapping and evolution of the centromeric class I gene-containing region of the rat MHC. *Immunogenetics* 51: 829-837.
- Durand, S., et al. 2003. Identification of multiple differentially expressed messenger RNAs in normal and pathological trophoblast. *Placenta* 24: 209-218.
- Grasberger, H., et al. 2005. Dual promoter structure of ZFP106: regulation by myogenin and nuclear respiratory factor-1. *Gene* 344: 143-159.
- Grasberger, H. and Bell, G.I. 2005. Subcellular recruitment by TSG118 and TSPYL implicates a role for zinc finger protein 106 in a novel developmental pathway. *Int. J. Biochem. Cell Biol.* 37: 1421-1437.
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CHROMOSOMAL LOCATION

Genetic locus: ZFP106 (human) mapping to 15q15.1; Zfp106 (mouse) mapping to 2 E5.

SOURCE

ZFP106 (D-19) is a purified rabbit polyclonal antibody raised against ZFP106 of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

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 or our catalog for detailed protocols and support products.

APPLICATIONS

ZFP106 (D-19) is recommended for detection of ZFP106 of mouse 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZFP106 siRNA (h): sc-89920, ZFP106 siRNA (m): sc-155523, ZFP106 shRNA Plasmid (h): sc-89920-SH, ZFP106 shRNA Plasmid (m): sc-155523-SH, ZFP106 shRNA (h) Lentiviral Particles: sc-89920-V and ZFP106 shRNA (m) Lentiviral Particles: sc-155523-V.

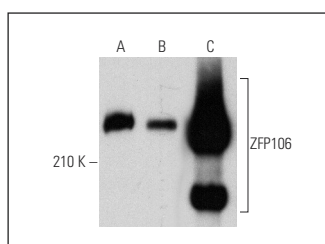
Molecular Weight of ZFP106: 209 kDa.

Positive Controls: U-937 cell lysate: sc-2239, NIH/3T3 whole cell lysate: sc-2210 or HL-60 whole cell lysate: sc-2209.

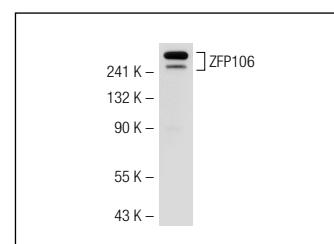
RECOMMENDED SECONDARY REAGENTS

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™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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).

DATA



ZFP106 (D-19): sc-102169. Western blot analysis of ZFP106 expression in U-937 (A) and HL-60 (B) whole cell lysates and human skeletal muscle tissue extract (C).



ZFP106 (D-19): sc-102169. Western blot analysis of ZFP106 expression in NIH/3T3 whole cell lysate.

RESEARCH USE

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