

ZFY (S-13): sc-83960



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. ZFY (zinc finger Y-chromosomal protein) is a 801 amino acid protein that belongs to the Krüppel C₂H₂-type zinc finger protein family. ZFY was once considered a testis-determining factor (TDF) and was erroneously referred to as TDF. Localized to the nucleus, ZFY is suspected to be a transcriptional activator.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZFY (human) mapping to Yp11.31, ZFX (human) mapping to Xp22.11; Zfx (mouse) mapping to X C3.

SOURCE

ZFY (S-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZFY of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-83960 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZFY (S-13) is recommended for detection of ZFY in human and ZFX of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

ZFY (S-13) is also recommended for detection of ZFY in human and ZFX in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZFY siRNA (h): sc-91560, ZFY shRNA Plasmid (h): sc-91560-SH and ZFY shRNA (h) Lentiviral Particles: sc-91560-V.

Molecular Weight of ZFY: 91 kDa.

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) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.