ZNF223 (W-25): sc-102189



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. Zinc finger protein 223 (ZNF223) is a 482 amino acid member of the Krüppel C_2H_2 -type zinc finger protein family. Localized to the nucleus, ZNF223 contains ten C_2H_2 -type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF223 (human) mapping to 19q13.31.

SOURCE

ZNF223 (W-25) is a purified rabbit polyclonal antibody raised against ZNF223 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.

RESEARCH USE

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

PRODUCT

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

APPLICATIONS

ZNF223 (W-25) is recommended for detection of ZNF223 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF223 siRNA (h): sc-97716, ZNF223 shRNA Plasmid (h): sc-97716-SH and ZNF223 shRNA (h) Lentiviral Particles: sc-97716-V.

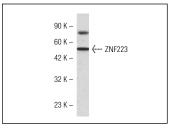
Molecular Weight of ZNF223: 56 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

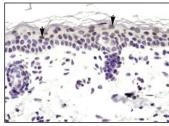
RECOMMENDED SECONDARY REAGENTS

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™ 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). 3) 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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



ZNF223 (W-25): sc-102189. Western blot analysis of ZNF223 expression in Jurkat whole cell lysate.



ZNF223 (W-25): sc-102189. Immunoperoxidase staining of formalin fixed, paraffin-embedded human pancreas tissue showing nuclear staining.

PROTOCOLS

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