

ZNF236 (G-20): sc-85227



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. As a member of the Krüppel C₂H₂-type zinc-finger protein family, ZNF236 (zinc finger protein 236) is a 1,845 amino acid nuclear protein that contains 30 C₂H₂-type zinc fingers. ZNF236 is ubiquitously expressed, with highest levels found in brain and skeletal muscle and lowest levels found in liver, lung and kidney. Upregulation of ZNF236 expression is observed in response to elevated levels of δ -glucose, suggesting that the ZNF236 gene may play a role in diabetic nephropathy. There are two isoforms of ZNF236, which are designated ZNF236a and ZNF236b, that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF236 (human) mapping to 18q23; Zfp236 (mouse) mapping to 18 E3.

STORAGE

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

SOURCE

ZNF236 (G-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF236 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85227 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-85227 X, 100 μ g/0.1 ml.

APPLICATIONS

ZNF236 (G-20) is recommended for detection of ZNF236 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); non cross-reactive with other ZNF family members.

Suitable for use as control antibody for ZNF236 siRNA (h): sc-76972, ZNF236 siRNA (m): sc-155662, ZNF236 shRNA Plasmid (h): sc-76972-SH, ZNF236 shRNA Plasmid (m): sc-155662-SH, ZNF236 shRNA (h) Lentiviral Particles: sc-76972-V and ZNF236 shRNA (m) Lentiviral Particles: sc-155662-V.

ZNF236 (G-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

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.

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.