ZNF12 (S-18): sc-104269



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. ZNF12 (zinc finger protein 12), also known as ZNF325 (zinc finger protein 325), GlOT-3 (gonadotropin-inducible ovary transcription repressor 3), KOX3 or HZF11, is a 501 amino acid nuclear protein belonging to the Krüeppel C₂H₂-type zinc-finger protein family. ZNF12 is suggested to play a role in transcriptional regulation of MAPK signaling pathways, thereby mediating cellular functions. Containing eight C₂H₂-type zinc fingers and a KRAB domain, ZNF12 is encoded by a gene that maps to human chromosome 7p22.1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Zfp12 (mouse) mapping to 5 G2.

SOURCE

ZNF12 (S-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF12 of mouse origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-104269 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF12 (S-18) is recommended for detection of ZNF12 of mouse 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) 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 ZNF12 siRNA (m): sc-105396, ZNF12 shRNA Plasmid (m): sc-105396-SH and ZNF12 shRNA (m) Lentiviral Particles: sc-105396-V.

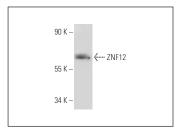
Molecular Weight of ZNF12: 58 kDa.

Positive Controls: NIH/3T3 nuclear extract: sc-2138.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZNF12 (S-18): sc-104269. Western blot analysis of ZNF12 (S-18) expression in NIH/3T3 nuclear extract

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.



Try **ZNF12 (F-5): sc-514394**, our highly recommended monoclonal alternative to ZNF12 (S-18).

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