

# ZNF322A/B (N-13): sc-132936

## 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. As a member of the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family, ZNF322A (zinc finger protein 322A), also designated ZNF388 or ZNF489, is a 402 amino acid protein containing 11 C<sub>2</sub>H<sub>2</sub>-type zinc fingers. ZNF322A is localized in both cytoplasm and nucleus and is ubiquitously expressed, with highest expression levels in heart and skeletal muscle. Overexpression of ZNF322A in COS-7 cells leads to transcriptional activation of SRE (serum response element) and c-Jun, suggesting that ZNF322A may function to activate the transcription of target transcription factors that are associated with MAP kinase signaling pathways.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF322A (human) mapping to 6p22.2, ZNF322B (human) mapping to 9q22.33.

## SOURCE

ZNF322A/B (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF322A of human origin.

## RESEARCH USE

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

## PRODUCT

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

Blocking peptide available for competition studies, sc-132936 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF322A/B (N-13) is recommended for detection of ZNF322A and ZNF322B of 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.

ZNF322A/B (N-13) is also recommended for detection of ZNF322A and ZNF322B in additional species, including bovine.

Molecular Weight of ZNF322A/B: 47 kDa.

## 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) 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.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.