

# ZNF622 (C-18): sc-130292

## 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. ZNF622 (zinc-finger protein 622), also known as ZPR9 (zinc-finger-like protein 9), is a 477 amino acid protein that localizes to both the nucleus and the cytoplasm. Expressed in liver, spleen, lung, kidney and brain, ZNF622 is thought to activate the bound transcription factor B-Myb and, through this activation, may play a role in embryonic development. ZNF622 contains two U1-type zinc fingers and exists as either a homodimer or a heterodimer that can be phosphorylated by MELK (maternal embryonic leucine zipper kinase). Overexpression of ZNF266 may be associated with liver metastases, carcinomas and colorectal carcinomas.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF622 (human) mapping to 5p15.1.

## SOURCE

ZNF622 (C-18) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of ZNF622 of human origin.

## PRODUCT

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

## STORAGE

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

## APPLICATIONS

ZNF622 (C-18) is recommended for detection of ZNF622 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF622 siRNA (h): sc-91718, ZNF622 shRNA Plasmid (h): sc-91718-SH and ZNF622 shRNA (h) Lentiviral Particles: sc-91718-V.

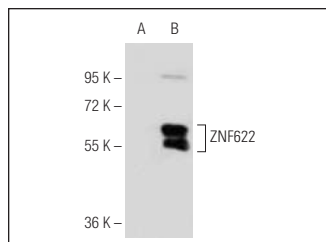
Molecular Weight of ZNF622: 52 kDa.

Positive Controls: HeLa nuclear extract: sc-2120.

## 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).

## DATA



ZNF622 (C-18): sc-130292. Western blot analysis of ZNF622 expression in 293 showing nontransfected (A) and transfected (B) whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.