

# YAF2 (V-13): sc-132507

## BACKGROUND

Members of the myelocytomatosis viral oncogene homologue (Myc) family, which include c-Myc, N-Myc and L-Myc, encode transcription factors that play a role in the acceleration of cell cycle progression and cell growth, inhibition of cell differentiation and initiation of programmed cell death (apoptosis). YY1-associated factor 2, also known as YAF2, is a 180 amino acid protein that binds to c-Myc and inhibits c-Myc-mediated pathways. It also binds to N-Myc, enhancing N-Myc-dependent transcriptional activation. Furthermore, YAF2 interacts with YY1 to antagonize YY1 transactivation of muscle-specific promoters. Localized to the nucleus, YAF2 contains an N-terminal C2-X10-C2 zinc finger and exists as two isoforms.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: YAF2 (human) mapping to 12q12; Yaf2 (mouse) mapping to 15 E3.

## SOURCE

YAF2 (V-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of YAF2 of human origin.

## 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-132507 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

YAF2 (V-13) is recommended for detection of YAF2 isoforms 1 and 2 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); may cross-react with RYPB.

YAF2 (V-13) is also recommended for detection of YAF2 isoforms 1 and 2 in additional species, including equine and avian.

Suitable for use as control antibody for YAF2 siRNA (h): sc-95916, YAF2 siRNA (m): sc-155399, YAF2 shRNA Plasmid (h): sc-95916-SH, YAF2 shRNA Plasmid (m): sc-155399-SH, YAF2 shRNA (h) Lentiviral Particles: sc-95916-V and YAF2 shRNA (m) Lentiviral Particles: sc-155399-V.

Molecular Weight of YAF2: 20 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 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.

## 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.