

# YPEL (H-95): sc-292335

## BACKGROUND

YPEL1 (yippee-like 1) is a 119 amino acid protein that localizes to the nucleus and is thought to play a role in the epitheloid conversion of fibroblasts. YPEL1 belongs to a family of yippee-like proteins that include YPEL2, YPEL3 and YPEL4, all of which localize to the nucleus and are widely expressed in both adult and fetal tissue. YPEL3 exists as multiple alternatively spliced isoforms and is thought to be involved in the proliferation and apoptosis of myeloid precursor cells. The family of human YPEL proteins share a high degree of sequence homology with their rodent homologs, suggesting a conserved function between species.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: YPEL1, YPEL2, YPEL3, YPEL4 (human) mapping to 22q11.21, 17q22, 16p11.2, 11q12.1; Ypel1, Ypel2, Ypel3, Ypel4 (mouse) mapping to 16 A3, 11 C, 7 F3, 2 D.

## SOURCE

YPEL (H-95) is a rabbit polyclonal antibody raised against amino acids 25-119 mapping at the C-terminus of YPEL1 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.

## STORAGE

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

## APPLICATIONS

YPEL (H-95) is recommended for detection of YPEL1, YPEL2, YPEL3 and YPEL4 of mouse, rat and 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)], 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).

YPEL (H-95) is also recommended for detection of YPEL1, YPEL2, YPEL3 and YPEL4 in additional species, including equine, canine, bovine, porcine and avian.

YPEL (H-95) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of YPEL1/2/3/4: 14 kDa.

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