

# ZSWIM1 (E-18): sc-86063



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. ZSWIM1 (zinc finger SWIM domain-containing protein 1), also known as C20orf162, is a 485 amino acid protein that contains one SWIM-type zinc finger. The gene encoding ZSWIM1 maps to human chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZSWIM1 (human) mapping to 20q13.12; Zswim1 (mouse) mapping to 2 H3.

## SOURCE

ZSWIM1 (E-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZSWIM1 of human origin.

## 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.

## PRODUCT

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

Blocking peptide available for competition studies, sc-86063 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86063 X, 100 µg/0.1 ml.

## APPLICATIONS

ZSWIM1 (E-18) is recommended for detection of ZSWIM1 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); non cross-reactive with ZSWIM3.

ZSWIM1 (E-18) is also recommended for detection of ZSWIM1 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for ZSWIM1 siRNA (h): sc-77017, ZSWIM1 siRNA (m): sc-155842, ZSWIM1 shRNA Plasmid (h): sc-77017-SH, ZSWIM1 shRNA Plasmid (m): sc-155842-SH, ZSWIM1 shRNA (h) Lentiviral Particles: sc-77017-V and ZSWIM1 shRNA (m) Lentiviral Particles: sc-155842-V.

ZSWIM1 (E-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZSWIM1: 55 kDa.

Positive Controls: MIA PaCa-2 cell lysate: sc-2285.

## 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) 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.

## PROTOCOLS

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