

# OY-TES-1 (H-158): sc-292428

## BACKGROUND

OY-TES-1, also known as ACRBP (acrosin binding protein) or SP32, is a 543 amino acid secreted protein that is found on sperm acrosomes where it colocalizes with acrosin. Expressed in normal testicular tissue, OY-TES-1 binds to acrosin and is thought to mediate the packaging and condensation of acrosin in the acrosomal matrix. In addition to its expression in testis, OY-TES-1 is present in cancer tissue throughout the body, including breast, bladder, liver and lung carcinomas, suggesting an involvement in tumor formation and metastasis. The gene encoding OY-TES-1 maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and Trisomy 12p, which causes facial developmental defects and seizure disorders.

## CHROMOSOMAL LOCATION

Genetic locus: ACRBP (human) mapping to 12p13.31; Acrbp (mouse) mapping to 6 F2.

## SOURCE

OY-TES-1 (H-158) is a rabbit polyclonal antibody raised against amino acids 31-188 mapping near the N-terminus of OY-TES-1 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

OY-TES-1 (H-158) is recommended for detection of OY-TES-1 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).

OY-TES-1 (H-158) is also recommended for detection of OY-TES-1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for OY-TES-1 siRNA (h): sc-95804, OY-TES-1 siRNA (m): sc-151953, OY-TES-1 shRNA Plasmid (h): sc-95804-SH, OY-TES-1 shRNA Plasmid (m): sc-151953-SH, OY-TES-1 shRNA (h) Lentiviral Particles: sc-95804-V and OY-TES-1 shRNA (m) Lentiviral Particles: sc-151953-V.

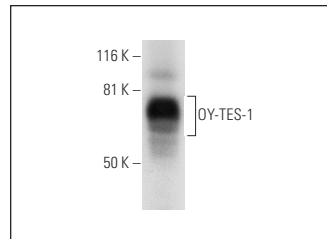
Molecular Weight of OY-TES-1: 61 kDa.

Positive Controls: human testis extract: sc-363781 or Hep G2 cell lysate: sc-2227.

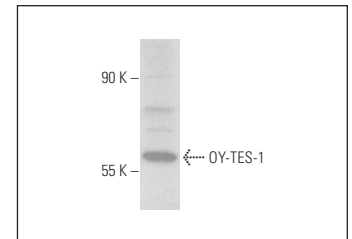
## RECOMMENDED SECONDARY REAGENTS

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). 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.

## DATA



OY-TES-1 (H-158): sc-292428. Western blot analysis of OY-TES-1 expression in human testis tissue extract.



OY-TES-1 (H-158): sc-292428. Western blot analysis of OY-TES-1 expression in Hep G2 whole cell lysate.

## 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.

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Satisfaction  
Guaranteed

Try **OY-TES-1 (G-5): sc-390594**, our highly recommended monoclonal alternative to OY-TES-1 (H-158).