

# C3orf39 (T-25): sc-130998

## BACKGROUND

Chromosome 3 is made up of about 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3. The C3orf39 gene product has been provisionally designated C3orf39 pending further characterization.

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## CHROMOSOMAL LOCATION

Genetic locus: C3orf39 (human) mapping to 3p22.1; C85492 (mouse) mapping to 9 F4.

## RESEARCH USE

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

## SOURCE

C3orf39 (T-25) is a Protein A purified rabbit polyclonal antibody raised against synthetic C3orf39 peptide of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

C3orf39 (T-25) is recommended for detection of C3orf39 of human origin, C85492 of mouse origin and the corresponding rat homolog 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 C3orf39 siRNA (h): sc-78425, C85492 siRNA (m): sc-141934, C3orf39 shRNA Plasmid (h): sc-78425-SH, C85492 shRNA Plasmid (m): sc-141934-SH, C3orf39 shRNA (h) Lentiviral Particles: sc-78425-V and C85492 shRNA (m) Lentiviral Particles: sc-141934-V.

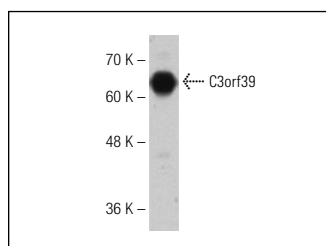
Molecular Weight of C3orf39: 66 kDa.

Positive Controls: 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).

## DATA



C3orf39 (T-25): sc-130998. Western blot analysis of C3orf39 expression in Hep G2 whole cell lysate.

## STORAGE

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

## PROTOCOLS

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