

## TTC35 (A-8): sc-166606



The Power to Question

## BACKGROUND

The tetratricopeptide repeat (TPR) motif is a degenerate, 34 amino acid sequence found in many proteins and acts to mediate protein-protein interactions in various pathways. At the sequence level, there can be up to 16 tandem TPR repeats, each of which has a helix-turn-helix shape that stacks on other TPR repeats to achieve ligand binding specificity. TTC35 (tetratricopeptide repeat domain 35), also known as KIAA0103, is a 297 amino acid protein that contains three tetratricopeptide repeats and localizes to the inner nuclear membrane. Its similarity to the *Nicotiana tabacum* GlcNAc transferase protein suggests that TTC35 may be a putative O-linked glycosyl transferase.

## REFERENCES

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- Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 607722. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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- Dmitriev, R.I., Korneenko, T.V., Bessonov, A.A., Shakhparonov, M.I., Modyanov, N.N. and Pestov, N.B. 2007. Characterization of hampin/MSL1 as a node in the nuclear interactome. *Biochem. Biophys. Res. Commun.* 355: 1051-1057.

## CHROMOSOMAL LOCATION

Genetic locus: TTC35 (human) mapping to 8q23.1; Ttc35 (mouse) mapping to 15 B3.2.

## SOURCE

TTC35 (A-8) is a mouse monoclonal antibody raised against amino acids 1-297 representing full length TTC35 of human origin.

## PRODUCT

Each vial contains 200 µg IgG<sub>1</sub> kappa light chain 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

TTC35 (A-8) is recommended for detection of TTC35 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

Suitable for use as control antibody for TTC35 siRNA (h): sc-77588, TTC35 siRNA (m): sc-154772, TTC35 shRNA Plasmid (h): sc-77588-SH, TTC35 shRNA Plasmid (m): sc-154772-SH, TTC35 shRNA (h) Lentiviral Particles: sc-77588-V and TTC35 shRNA (m) Lentiviral Particles: sc-154772-V.

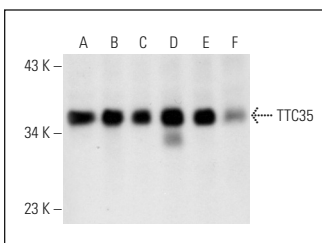
Molecular Weight of TTC35: 40 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HeLa whole cell lysate: sc-2200 or OV-90 whole cell lysate: sc-364191.

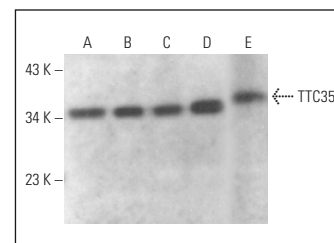
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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 m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

## DATA



TTC35 (A-8): sc-166606. Western blot analysis of TTC35 expression in Jurkat (A), HeLa (B), Ramos (C), OV-90 (D), ES-2 (E) and NIH/3T3 (F) whole cell lysates.



TTC35 (A-8): sc-166606. Western blot analysis of TTC35 expression in Ramos (A) and NAMALWA (B) whole cell lysates and Ramos (C), NIH/3T3 (D) and KNRK (E) nuclear extracts.

## 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) for detailed protocols and support products.