



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## TPPP3 (m): 293T Lysate: sc-124236

### BACKGROUND

Tubulin family members are globular proteins important in the assembly of microtubules. Microtubules are structural components that play important roles in mitosis, cytokinesis and vesicle transport. TPPP3 (Tubulin polymerization-promoting protein family member 3), also known as CGI-38 or p20, is a 176 amino acid protein belonging to the TPPP family. Localizing to the cytoplasm, TPPP3 has the ability to bundle microtubules and induce tubulin polymerization. The gene encoding TPPP3 maps to human chromosome 16q22.1. When the TPPP3 gene is silenced, tumor progression is reduced, suggesting a role in tumorigenesis and metastasis.

### REFERENCES

1. Vincze, O., Tökési, N., Oláh, J., Hlavanda, E., Zotter, A., Horváth, I., Lehotzky, A., Tirián, L., Medzihradzsky, K.F., Kovács, J., Orosz, F. and Ovádi, J. 2006. Tubulin polymerization promoting proteins (TPPPs): members of a new family with distinct structures and functions. *Biochemistry* 45: 13818-13826.
2. Preusser, M., Lehotzky, A., Budka, H., Ovádi, J. and Kovács, G.G. 2007. TPPP/p25 in brain tumours: expression in non-neoplastic oligodendrocytes but not in oligodendroglioma cells. *Acta Neuropathol.* 113: 213-215.
3. Staverosky, J.A., Pryce, B.A., Watson, S.S. and Schweitzer, R. 2009. Tubulin polymerization-promoting protein family member 3, Tppp3, is a specific marker of the differentiating tendon sheath and synovial joints. *Dev. Dyn.* 238: 685-692.
4. Zhou, W., Wang, X., Li, L., Feng, X., Yang, Z., Zhang, W. and Hu, R. 2010. Depletion of tubulin polymerization promoting protein family member 3 suppresses HeLa cell proliferation. *Mol. Cell. Biochem.* 333: 91-98.
5. Zhou, W., Li, J., Wang, X. and Hu, R. 2010. Stable knockdown of TPPP3 by RNA interference in Lewis lung carcinoma cell inhibits tumor growth and metastasis. *Mol. Cell. Biochem.* 343: 231-238.

### CHROMOSOMAL LOCATION

Genetic locus: Tppp3 (mouse) mapping to 8 D3.

### PRODUCT

TPPP3 (m): 293T Lysate represents a lysate of mouse TPPP3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

### APPLICATIONS

TPPP3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TPPP3 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

### STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

### 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.