

# TERE1 (H-205): sc-98964

## BACKGROUND

Transitional epithelial response protein 1 (TERE1), also designated UbiA prenyltransferase domain containing protein 1 (UBIAD1), belongs to the UbiA prenyltransferase family of proteins. The gene encoding for the protein is similar to the *Drosophila* protein heix, and influences progression of prostate and bladder cancers. There appears to be a decrease in TERE1 transcript in prostate carcinoma and a loss of the TERE1 protein in metastatic prostate. It is a ubiquitously expressed multi-pass membrane protein but it can also be detected in the cytoplasm or nucleus. The TERE1 transcript (1.5 and 3.5 kb) is present in most normal human tissues, including Urothelium.

## REFERENCES

- McGarvey, T.W., Nguyen, T., Tomaszewski, J.E., Monson, F.C. and Malkowicz, S.B. 2001. Isolation and characterization of the TERE1 gene, a gene downregulated in transitional cell carcinoma of the bladder. *Oncogene* 20: 1042-1051.
- McGarvey, T.W., Nguyen, T., Puthiyaveetil, R., Tomaszewski, J.E. and Malkowicz, S.B. 2003. TERE1, a novel gene affecting growth regulation in prostate carcinoma. *Prostate* 54: 144-155.
- McGarvey, T.W., Nguyen, T.B. and Malkowicz, S.B. 2005. An interaction between apolipoprotein E and TERE1 with a possible association with bladder tumor formation. *J. Cell. Biochem.* 95: 419-428.
- Katoh, Y. and Katoh, M. 2005. Identification and characterization of DISP3 gene in silico. *Int. J. Oncol.* 26: 551-556.
- SWISS-PROT/TrEMBL (Q9Y5Z9). World Wide Web URL: <http://www.expasy.ch/sprot/sprot-top.html>

## CHROMOSOMAL LOCATION

Genetic locus: UBIAD1 (human) mapping to 1p36.22; Ubiad1 (mouse) mapping to 4 E2.

## SOURCE

TERE1 (H-205) is a rabbit polyclonal antibody raised against amino acids 1-135 mapping at the N-terminus of TERE1 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.

## 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.

## APPLICATIONS

TERE1 (H-205) is recommended for detection of TERE1 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).

TERE1 (H-205) is also recommended for detection of TERE1 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for TERE1 siRNA (h): sc-61667, TERE1 siRNA (m): sc-61668, TERE1 shRNA Plasmid (h): sc-61667-SH, TERE1 shRNA Plasmid (m): sc-61668-SH, TERE1 shRNA (h) Lentiviral Particles: sc-61667-V and TERE1 shRNA (m) Lentiviral Particles: sc-61668-V.

Molecular Weight of TERE1: 36.8 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## 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.


 MONOS  
Satisfaction  
Guaranteed

Try **TERE1 (H-8): sc-377013**, our highly recommended monoclonal alternative to TERE1 (H-205).