

UTY (H-40): sc-292369

BACKGROUND

Tup1 and Ssn6 are yeast proteins that, after being recruited to different promoter regions by DNA-binding proteins, form a transcription repressor complex that regulates gene expression. The groucho/transducin-like Enhancer of split (TLE) family is the vertebrate ortholog of the Tup family and is functionally paired with the vertebrate Ssn6-like protein UTY. UTY is a product of the ubiquitously transcribed tetratricopeptide-repeat genes found on the Y chromosome. Interacting with TLE1 or TLE2, UTY acts to regulate the expression of particular genes. A related gene, found on the X chromosome, encodes the UTX protein that functions in a similar manner.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UTY (human) mapping to Yq11.21.

SOURCE

UTY (H-40) is a rabbit polyclonal antibody raised against amino acids 593-632 mapping within an internal region of UTY 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

UTY (H-40) is recommended for detection of UTY of 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).

Suitable for use as control antibody for UTY siRNA (h): sc-91538, UTY shRNA Plasmid (h): sc-91538-SH and UTY shRNA (h) Lentiviral Particles: sc-91538-V.

Molecular Weight of UTY: 150 kDa.

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.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.