

EXOSC6 (G-13): sc-107534

BACKGROUND

The exosome is a multisubunit complex composed of several highly conserved subunits, some of which are 3' to 5' exoribonucleases. The complex is involved in a variety of cellular processes and is responsible for degrading unstable mRNAs that contain AU-rich (ARE) elements in their untranslated 3' region. EXOSC6 (exosome component 6), also known as MTR3 (mRNA transport regulator 3 homolog) is a 272 amino acid exonuclease that is a component of the exosome complex and is required for processing of 7S pre-rRNA to mature 5.8S rRNA. EXOSC6 belongs to the RNase PH family and localizes to the nucleolus. EXOSC1, EXOSC7 and EXOSC8 interact directly with EXOSC6 in the exosome multienzyme ribonuclease complex.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EXOSC6 (human) mapping to 16q22.1; Exosc6 (mouse) mapping to 8 E1.

SOURCE

EXOSC6 (G-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of EXOSC6 of human origin.

STORAGE

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

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-107534 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

EXOSC6 (G-13) is recommended for detection of EXOSC6 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 EXOSC6 siRNA (h): sc-93448, EXOSC6 siRNA (m): sc-144979, EXOSC6 shRNA Plasmid (h): sc-93448-SH, EXOSC6 shRNA Plasmid (m): sc-144979-SH, EXOSC6 shRNA (h) Lentiviral Particles: sc-93448-V and EXOSC6 shRNA (m) Lentiviral Particles: sc-144979-V.

Molecular Weight of EXOSC6: 28 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (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.



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Try **EXOSC6 (D-10): sc-398277**, our highly recommended monoclonal alternative to EXOSC6 (G-13).