

EXOSC8 (N-16): sc-84108

BACKGROUND

The exosome is a multisubunit complex of 3' to 5' exoribonucleases. It is involved in a variety of cellular processes and is responsible for degrading unstable mRNAs that contain AU-rich elements in their untranslated 3' region. EXOSC8 (exosome component 8), also known as p9, CIP3 (CBP-interacting protein 3), EAP2, OIP2 (Opa-interacting protein 2), RRP43 (ribosomal RNA-processing protein 43) or Rrp43p, is a component of the exosome multienzyme ribonuclease complex. It belongs to the RNase PH family and localizes to the nucleolus. EXOSC8 is one of the six RNase-PH domain subunits of the exosome. Together, these six subunits form a PNPase-like ring. EXOSC8 is required for the processing of the 7S pre-RNA. In addition to its numerous interactions with other proteins, EXOSC8 can also interact with itself.

CHROMOSOMAL LOCATION

Genetic locus: EXOSC8 (human) mapping to 13q13.3; Exosc8 (mouse) mapping to 3 C.

SOURCE

EXOSC8 (N-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of EXOSC8 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84108 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

EXOSC8 (N-16) is recommended for detection of EXOSC8 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).

EXOSC8 (N-16) is also recommended for detection of EXOSC8 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for EXOSC8 siRNA (h): sc-105341, EXOSC8 siRNA (m): sc-144980, EXOSC8 shRNA Plasmid (h): sc-105341-SH, EXOSC8 shRNA Plasmid (m): sc-144980-SH, EXOSC8 shRNA (h) Lentiviral Particles: sc-105341-V and EXOSC8 shRNA (m) Lentiviral Particles: sc-144980-V.

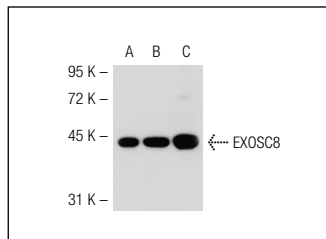
Molecular Weight of EXOSC8: 32-36 kDa.

Positive Controls: EXOSC8 (m): 293T Lysate: sc-120142, Hep G2 cell lysate: sc-2227 or HeLa whole cell lysate: sc-2200.

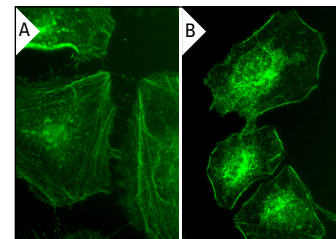
RECOMMENDED SECONDARY REAGENTS

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.

DATA



EXOSC8 (N-16): sc-84108. Western blot analysis of EXOSC8 expression in non-transfected 293T: sc-117752 (A), mouse EXOSC8 transfected 293T: sc-120142 (B) and HeLa (C) whole cell lysates.



EXOSC8 (N-16): sc-84108. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear and membrane localization (A). Immunofluorescence staining of formalin-fixed Hep G2 cells showing nuclear and membrane localization (B).

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.

MONOS
Satisfaction
Guaranteed

Try **EXOSC8 (H-8): sc-393027** or **EXOSC8 (2336C2b): sc-81561**, our highly recommended monoclonal alternatives to EXOSC8 (N-16).