

CNOT8 (D-17): sc-82838

BACKGROUND

The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription as well as mRNA degradation. Various subunits within the complex are involved in influencing nuclear hormone receptor activities. The CCR4-NOT complex is also involved in the regulation of Histone H3 Lysine 4 methylation through a ubiquitin-dependent pathway that likely involves the proteasome. CNOT8 (CCR4-NOT transcription complex subunit 8), also known as CALIF or POP2, is a 292 amino acid protein that localizes to both the nucleus and the cytoplasm and functions as part of the CCR-NOT complex. Expressed ubiquitously, CNOT8 plays a role in transcriptional regulation for a diverse set of processes.

CHROMOSOMAL LOCATION

Genetic locus: CNOT8 (human) mapping to 5q33.2; Cnot8 (mouse) mapping to 11 B1.3.

SOURCE

CNOT8 (D-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CNOT8 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. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-82838 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-82838 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

CNOT8 (D-17) is recommended for detection of CNOT8 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); non cross-reactive with other CNOT family members.

CNOT8 (D-17) is also recommended for detection of CNOT8 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CNOT8 siRNA (h): sc-72948, CNOT8 siRNA (m): sc-72949, CNOT8 shRNA Plasmid (h): sc-72948-SH, CNOT8 shRNA Plasmid (m): sc-72949-SH, CNOT8 shRNA (h) Lentiviral Particles: sc-72948-V and CNOT8 shRNA (m) Lentiviral Particles: sc-72949-V.

CNOT8 (D-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

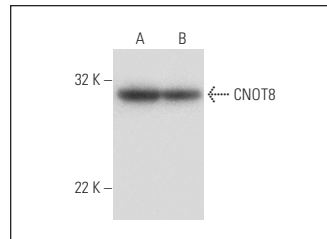
Molecular Weight of CNOT8: 34 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, IMR-32 cell lysate: sc-2409 or Caki-1 cell lysate: sc-2224.

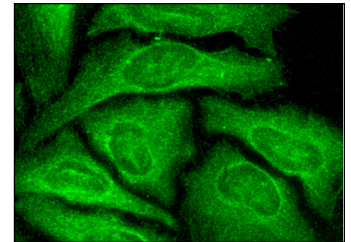
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



CNOT8 (D-17): sc-82838. Western blot analysis of CNOT8 expression in HeLa (A) and Caki-1 (B) whole cell lysates.



CNOT8 (D-17): sc-82838. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic and nuclear localization.

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 **CNOT8 (1F11): sc-293395**, our highly recommended monoclonal alternative to CNOT8 (D-17).