

NCoA-7 (C-12): sc-161924

BACKGROUND

Nuclear receptors for steroids, thyroid hormones and retinoic acids are ligand-dependent transcription factors that activate transcription through specific DNA binding sites in their target genes. NCoA-7 (nuclear receptor coactivator 7), also known as ESNA1 or ERAP140, is a 942 amino acid nuclear protein that enhances nuclear receptor transcriptional activities and coactivates several nuclear receptors including PPAR γ , ER α , TR β 1 and RAR α . Highly expressed in brain and weakly expressed in pancreas, bladder, ovary, spinal cord, prostate, mammary gland, ovary, uterus and stomach, NCoA-7 is a member of the Oxr1 family and contains one LysM repeat and a TLD domain. Six NCoA-7 isoforms are known to exist due to alternative splicing events, and the gene encoding NCoA-7 maps to human chromosome 6q22.32 and mouse chromosome 10 A4.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NCOA7 (human) mapping to 6q22.32; Ncoa7 (mouse) mapping to 10 A4.

SOURCE

NCoA-7 (C-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of NCoA-7 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-161924 P, (100 μ g 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

NCoA-7 (C-12) is recommended for detection of NCoA-7 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 NCoA-3 or NCoA-5.

NCoA-7 (C-12) is also recommended for detection of NCoA-7 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for NCoA-7 siRNA (h): sc-95482, NCoA-7 siRNA (m): sc-149859, NCoA-7 shRNA Plasmid (h): sc-95482-SH, NCoA-7 shRNA Plasmid (m): sc-149859-SH, NCoA-7 shRNA (h) Lentiviral Particles: sc-95482-V and NCoA-7 shRNA (m) Lentiviral Particles: sc-149859-V.

Molecular Weight (predicted) of NCoA-7: 106 kDa.

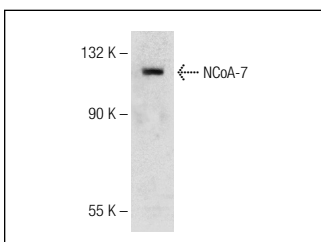
Molecular Weight (observed) of NCoA-7: 118-126 kDa.

Positive Controls: COLO 320DM cell lysate: sc-2226.

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



NCoA-7 (C-12): sc-161924. Western blot analysis of NCoA-7 expression in Colo 320 DM whole cell lysate.

RESEARCH USE

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



Try **NCoA-7 (C-2): sc-393427**, our highly recommended monoclonal alternative to NCoA-7 (C-12).