

ENHO (C-12): sc-163956

BACKGROUND

ENHO (energy homeostasis-associated protein), also known as Adropin, is a 76 amino acid secreted protein that plays a role in regulating glucose homeostasis and lipid metabolism. Expressed in brain and liver, ENHO exists as two alternatively spliced isoforms. The gene encoding ENHO maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

REFERENCES

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- Zeit, M.J., et al. 2009. Organization of the amplified type I interferon gene cluster and associated chromosome regions in the interphase nucleus of human osteosarcoma cells. *Chromosome Res.* 17: 305-319.
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CHROMOSOMAL LOCATION

Genetic locus: ENHO (human) mapping to 9p13.3; Enho (mouse) mapping to 4 A5.

SOURCE

ENHO (C-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ENHO 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.

Blocking peptide available for competition studies, sc-163956 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

ENHO (C-12) is recommended for detection of ENHO of human origin and 2310040A07Rik of mouse 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 C9orf family members.

Suitable for use as control antibody for ENHO siRNA (h): sc-92923, ENHO siRNA (m): sc-108695, ENHO shRNA Plasmid (h): sc-92923-SH, ENHO shRNA Plasmid (m): sc-108695-SH, ENHO shRNA (h) Lentiviral Particles: sc-92923-V and ENHO shRNA (m) Lentiviral Particles: sc-108695-V.

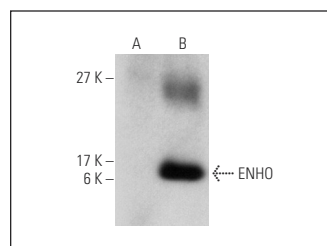
Molecular Weight of ENHO: 8 kDa.

Positive Controls: ENHO (m): 293T Lysate: sc-124867.

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



ENHO (C-12): sc-163956. Western blot analysis of ENHO expression in non-transfected: sc-117752 (A) and mouse ENHO transfected: sc-124867 (B) 293T whole cell lysates.

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.