LUC7L2 (C-13): sc-160500



The Power to Question

BACKGROUND

LUC7L2 (LUC7-like 2), also known as CGI-59, CGI-74, LUC7B2 or hLuc7B2, is a 392 amino acid protein and member of the Luc7 family. A homolog of the yeast protein, mammalian LUC7L2 may bind to RNA via its arginine/serine-rich domain and may be involved in recognition of non-consensus splice donor sites. Containing a single highly conserved $\rm C_2H_2$ -type zinc finger, LUC7L2 is widely expressed and undergoes alternative splicing and polyadenylation. LUC7L2 is encoded by a gene located on human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LUC7L2 (human) mapping to 7q34; Luc7l2 (mouse) mapping to 6 B1.

SOURCE

LUC7L2 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of LUC7L2 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

PRODUCT

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

Blocking peptide available for competition studies, sc-160500 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LUC7L2 (C-13) is recommended for detection of LUC7L2 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); non cross-reactive with LUC7L.

Suitable for use as control antibody for LUC7L2 siRNA (h): sc-89887, LUC7L2 siRNA (m): sc-149140, LUC7L2 shRNA Plasmid (h): sc-89887-SH, LUC7L2 shRNA Plasmid (m): sc-149140-SH, LUC7L2 shRNA (h) Lentiviral Particles: sc-89887-V and LUC7L2 shRNA (m) Lentiviral Particles: sc-149140-V.

Molecular Weight of LUC7L2: 47 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat lgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat lgG-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 lgG-FITC: sc-2024 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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

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