

RRP15 (T-12): sc-138060

BACKGROUND

RRP15 (ribosomal RNA processing 15), also known as KIAA0507, is a 282 amino acid protein that localizes to the nucleus and may be involved in the modification and processing of precursor rRNA, possibly playing a role in maturation of the 60S ribosomal subunit. The gene encoding RRP15 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RRP15 (human) mapping to 1q41; Rrp15 (mouse) mapping to 1 H5.

SOURCE

RRP15 (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of RRP15 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-138060 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

RRP15 (T-12) is recommended for detection of RRP15 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 other RRP family members.

Suitable for use as control antibody for RRP15 siRNA (h): sc-88523, RRP15 siRNA (m): sc-153130, RRP15 shRNA Plasmid (h): sc-88523-SH, RRP15 shRNA Plasmid (m): sc-153130-SH, RRP15 shRNA (h) Lentiviral Particles: sc-88523-V and RRP15 shRNA (m) Lentiviral Particles: sc-153130-V.

Molecular Weight (predicted) of RRP15: 31 kDa.

Molecular Weight (observed) of RRP15: 28 kDa.

Positive Controls: PC-3 nuclear extract: sc-2152, HeLa nuclear extract: sc-2120 or NIH/3T3 nuclear extract: sc-2138.

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) 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.

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.