

DRIM (N-13): sc-109264

BACKGROUND

DRIM (down-regulated in metastasis protein), also known as NNP73 (novel nucleolar protein 73), UTP20 or protein Key-1A6, is a 2,785 amino acid protein belonging to the UTP20 family. Localized to the nucleus, DRIM contains two HEAT repeats and interacts with Fibrillarin and KIAA0649. DRIM is involved in 18S pre-rRNA processing and associates with U3 snoRNA. DRIM is expressed in colon, brain, heart, ovary, fetal liver, testis, small intestine, spleen, thymus, skeletal muscle, placenta, pancreas and prostate. The gene that encodes DRIM maps to human chromosome 12, which encodes over 1,100 genes within 132 million bases, making up about 4.5% of the human genome. Several skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UTP20 (human) mapping to 12q23.2; Utp20 (mouse) mapping to 10 C1.

SOURCE

DRIM (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of DRIM 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-109264 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DRIM (N-13) is recommended for detection of DRIM 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).

DRIM (N-13) is also recommended for detection of DRIM in additional species, including equine, porcine and avian.

Suitable for use as control antibody for DRIM siRNA (h): sc-95911, DRIM siRNA (m): sc-143172, DRIM shRNA Plasmid (h): sc-95911-SH, DRIM shRNA Plasmid (m): sc-143172-SH, DRIM shRNA (h) Lentiviral Particles: sc-95911-V and DRIM shRNA (m) Lentiviral Particles: sc-143172-V.

Molecular Weight of DRIM: 318 kDa.

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.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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.