SANTA CRUZ BIOTECHNOLOGY, INC.

# DAZAP2 (G-12): sc-109248

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*The Power to Question*

## BACKGROUND

DAZAP2 (DAZ-associated protein 2), also known as deleted in azoospermia-associated protein 2 or PRTB, is a 108 amino acid proline-rich protein that interacts with DAZ (deleted in azoospermia), a gene with multiple protein products that are deleted in infertile men. Involved in spermatogenesis, RNA splicing, transcription regulation and cell signaling, DAZAP2 is known to interact with Sox-6 and DAZL and participates in the pathogenesis of multiple myeloma. A cytoplasmic protein, DAZAP2 is encoded by a gene that maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

## REFERENCES


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4. Yokoyama, T., et al. 2003. A case of Kniest dysplasia with retinal detachment and the mutation analysis. Am. J. Ophthalmol. 136: 1186-1188.
5. Cohen-Barak, O., et al. 2003. Sox6 regulation of cardiac myocyte development. Nucleic Acids Res. 31: 5941-5948.
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8. Shi, Y.W., et al. 2007. Molecular features and expression of DAZAP2 in human multiple myeloma. Chin. Med. J. 120: 1659-1665.
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## CHROMOSOMAL LOCATION

Genetic locus: DAZAP2 (human) mapping to 12q13.13; Dazap2 (mouse) mapping to 15 F1.

## SOURCE

DAZAP2 (G-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DAZAP2 of human origin.

## RESEARCH USE

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

## 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-109248 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

DAZAP2 (G-12) is recommended for detection of DAZAP2 of mouse 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).

Suitable for use as control antibody for DAZAP2 siRNA (h): sc-95755, DAZAP2 siRNA (m): sc-142878, DAZAP2 shRNA Plasmid (h): sc-95755-SH, DAZAP2 shRNA Plasmid (m): sc-142878-SH, DAZAP2 shRNA (h) Lentiviral Particles: sc-95755-V and DAZAP2 shRNA (m) Lentiviral Particles: sc-142878-V.

Molecular Weight of DAZAP2: 17 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.

## PROTOCOLS

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