



DMRTA2 (P-13): sc-103471

BACKGROUND

DMRTA2 (DMRT-like family A2), also known as DMRT5 (doublesex- and MAB-3-related transcription factor 5), is a 542 amino acid protein that localizes to the nucleus and contains one DM DNA-binding domain. Expressed testis, DMRTA2 is thought to be involved in sexual developmental processes during maturation. The gene encoding DMRTA2 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: DMRTA2 (human) mapping to 1p33; Dmrt2 (mouse) mapping to 4 C7.

SOURCE

DMRTA2 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DMRTA2 of human origin.

PRODUCT

DMRTA2 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DMRTA2 of human origin.

APPLICATIONS

DMRTA2 (P-13) is recommended for detection of DMRTA2 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 DMRT family members.

Suitable for use as control antibody for DMRTA2 siRNA (h): sc-105302, DMRTA2 siRNA (m): sc-105303, DMRTA2 shRNA Plasmid (h): sc-105302-SH, DMRTA2 shRNA Plasmid (m): sc-105303-SH, DMRTA2 shRNA (h) Lentiviral Particles: sc-105302-V and DMRTA2 shRNA (m) Lentiviral Particles: sc-105303-V.

DMRTA2 (P-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of DMRTA2: 53 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.