

Scratch2 (P-20): sc-85910

BACKGROUND

The snail family of developmental regulatory proteins is a group of widely conserved zinc finger transcription factors that are involved in morphogenesis, cell division and cell survival. Scratch2, also known as SCRT2, is a 307 amino acid protein that contains 5 C₂H₂-type zinc fingers and belongs to the snail C₂H₂-type zinc-finger protein family. Localized to the nucleus, Scratch2 is thought to be involved in transcriptional regulation events, specifically functioning in the inner part of the cerebellar external granular layer, as well as in the postnatal cortical subventricular zone and in the glial cells of the adult vomeronasal nerve. The gene encoding Scratch2 maps to human chromosome 20, which houses over 600 genes and comprises nearly 2% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SCRT2 (human) mapping to 20p13; Scrt2 (mouse) mapping to 2 G3.

SOURCE

Scratch2 (P-20)-R is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of Scratch2 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.

RESEARCH USE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, ready P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-85910 X, 100 µg/0.1 ml.

APPLICATIONS

Scratch2 (P-20) is recommended for detection of Scratch2 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 Scratch1.

Scratch2 (P-20) is also recommended for detection of Scratch2 in additional species, including bovine.

Suitable for use as control antibody for Scratch2 siRNA (h): sc-76460, Scratch2 siRNA (m): sc-153270, Scratch2 shRNA Plasmid (h): sc-76460-SH, Scratch2 shRNA Plasmid (m): sc-153270-SH, Scratch2 shRNA (h) Lentiviral Particles: sc-76460-V and Scratch2 shRNA (m) Lentiviral Particles: sc-153270-V.

Scratch2 (P-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Scratch2: 33 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

PROTOCOLS

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