

Spi-C (N-20): sc-79604

BACKGROUND

The Ets transcription factor family is comprised of DNA-binding proteins that influence lymphoid development and activity and bind the consensus DNA site GGA(A/T) through a unique winged helix-turn-helix motif known as the Ets domain. Spi-B and Spi-C (also known as SPIC) are closely related Ets family members which share a conserved divergent sequence within the Ets domain that enables their binding to non-canonical AGAA sites. Spi-C is a 248 amino acid protein that localizes to the nucleus and, like other Ets family members, binds DNA as a monomer and plays a role in transcriptional regulation. Additionally, Spi-C is thought to control the development of red pulp macrophages, thereby contributing to iron homeostasis and red blood cell recycling. Human Spi-C shares 65% amino acid identity with its mouse counterpart, suggesting a conserved role between species.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SPIC (human) mapping to 12q23.2.

SOURCE

Spi-C (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Spi-C 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.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-79604 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-79604 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Spi-C (N-20) is recommended for detection of Spi-C of human and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

Spi-C (N-20) is also recommended for detection of Spi-C in additional species, including equine, canine and bovine.

Suitable for use as control antibody for Spi-C siRNA (h): sc-76561, Spi-C shRNA Plasmid (h): sc-76561-SH and Spi-C shRNA (h) Lentiviral Particles: sc-76561-V.

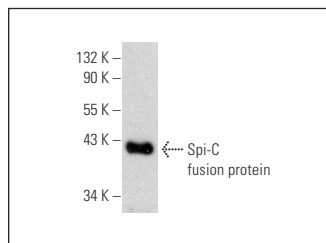
Spi-C (N-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of Spi-C: 28 kDa.

Molecular Weight (observed) of Spi-C: 36 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

DATA



Spi-C (N-20): sc-79604. Western blot analysis of human recombinant Spi-C fusion protein.

RESEARCH USE

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



Try **Spi-C (C-2): sc-514526**, our highly recommended monoclonal alternative to Spi-C (N-20).