

# Spi-C (H-130): sc-135286

## 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 (H-130) is a rabbit polyclonal antibody raised against amino acids 1-130 mapping at the N-terminus of Spi-C 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.

## APPLICATIONS

Spi-C (H-130) is recommended for detection of Spi-C of human 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 (H-130) 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.

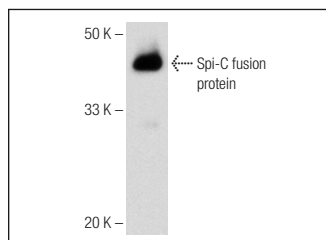
Spi-C (H-130) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

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 (H-130): sc-135286. Western blot analysis of human recombinant Spi-C fusion protein.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.


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Try **Spi-C (C-2): sc-514526**, our highly recommended monoclonal alternative to Spi-C (H-130).