SANTA CRUZ BIOTECHNOLOGY, INC.

DDX29 (2269C1): sc-81080

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

DDX29 (putative ATP-dependent RNA helicase DHX29) is a 1,369 amino acid protein encoded by the human gene DDX29. This protein belongs to the DEAD-box helicase family (DEAH subfamily) and contains one helicase ATP-binding domain and one helicase C-terminal domain. DDX29 is a nuclear protein found on chromosome 5 that likely functions as an ATP-dependent RNA helicase. RNA helicases are highly conserved enzymes that utilize the energy derived from NTP hydrolysis to modulate the structure of RNA. RNA helicases participate in all biological processes that involve RNA, including transcription, splicing and translation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DHX29 (human) mapping to 5q11.2.

SOURCE

DDX29 (2269C1) is a mouse monoclonal antibody raised against a recombinant protein corresponding to a region near the N-terminus of DDX29 of human origin.

PRODUCT

Each vial contains 100 µg IgG_1 in 1.0 ml of PBS with < 0.1% sodium azide and 1.0% stabilizer protein.

APPLICATIONS

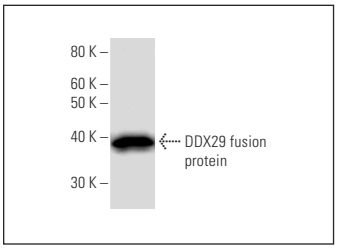
DDX29 (2269C1) is recommended for detection of DDX29 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and flow cytometry (1 µg per 1 x 10^6 cells).

Suitable for use as control antibody for DDX29 siRNA (h): sc-91695, DDX29 shRNA Plasmid (h): sc-91695-SH and DDX29 shRNA (h) Lentiviral Particles: sc-91695-V.

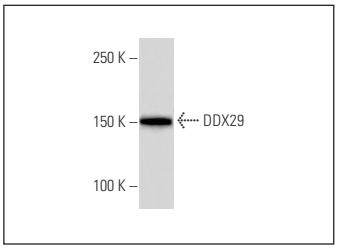
Molecular Weight of DDX29: 155 kDa.

Positive Controls: HEK293 whole cell lysate: sc-45136.

DATA



DDX29 (2269C1): sc-81080. Western Blot analysis of human recombinant DDX29 fusion protein.



DDX29 (2269C1): sc-81080. Western Blot analysis of DDX29 expression in HEK293 whole cell lysate.

SELECT PRODUCT CITATIONS

1. Liang, X.H., Shen, W., Sun, H., Migawa, M.T., Vickers, T.A. and Crooke, S.T. 2016. Translation efficiency of mRNAs is increased by antisense oligonucleotides targeting upstream open reading frames. Nat. Biotechnol. 34: 875-880.
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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 for detailed protocols and support products.