

CAR (h2): 293 Lysate: sc-112300

BACKGROUND

The coxsackie and adenovirus receptor (CAR) mediates viral infection by the binding of various adenoviruses through specific protein interactions. There is a high affinity between the viral knob domain and the extracellular amino-terminal domain (designated D1) of CAR. The D1 domain alone is sufficient for knob binding in transfected cells. Determining the specific interactions between CAR and adenoviruses is imperative in order to further develop gene therapy using viral hosts. CAR is expressed in many human and murine cell types. However, cells that express CAR at low levels are not efficiently infected by adenoviruses. Possible methods of avoiding this problem in certain cell types are by either supplementing CAR or modifying the Aδ knob to bind to other receptors.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CXADR (human) mapping to 21q21.1.

PRODUCT

CAR (h2): 293 Lysate represents a lysate of human CAR transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

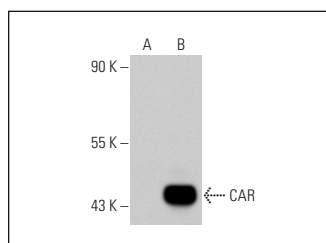
APPLICATIONS

CAR (h2): 293 Lysate is suitable as a Western Blotting positive control for human reactive CAR antibodies. Recommended use: 10-20 µl per lane.

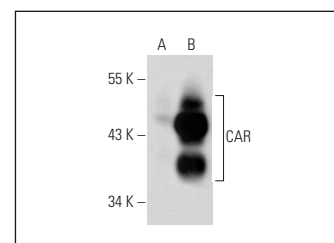
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

CAR (3C100): sc-70493 is recommended as a positive control antibody for Western Blot analysis of enhanced human CAR expression in CAR transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



CAR (3C100): sc-70493. Western blot analysis of CAR expression in non-transfected: sc-110760 (A) and human CAR transfected: sc-112300 (B) 293 whole cell lysates.



CAR (Mab.E(mh) 1): sc-32795. Western blot analysis of CAR expression in non-transfected: sc-110760 (A) and human CAR transfected: sc-112300 (B) 293 whole cell lysates.

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.