

NaBC1 (h): 293T Lysate: sc-372948

BACKGROUND

NaBC1 (novel amplified in breast cancer 1) is a protein found amplified in most breast carcinoma forms. It is expressed primarily as a cytoplasmic, detergent-stable homodimer that has a tendency to interact with DYNLL1 (PIN) and DYNLL2. Breast tumor lines that exhibit 20q13.2 gene amplification express much higher levels of the protein as compared to the levels found in other breast cancer lines that do not overexpress the NaBC1 mRNA. However, this upregulation does not affect growth rate or anchoring abilities of a cell, indicating the oncogenic properties of NaBC1 differ from that of other oncogenes.

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CHROMOSOMAL LOCATION

Genetic locus: BCAS1 (human) mapping to 20q13.2.

PRODUCT

NaBC1 (h): 293T Lysate represents a lysate of human NaBC1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

NaBC1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive NaBC1 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

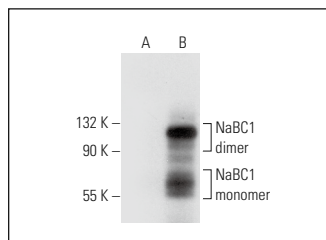
NaBC1 (B-12): sc-393808 is recommended as a positive control antibody for Western Blot analysis of enhanced human NaBC1 expression in NaBC1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

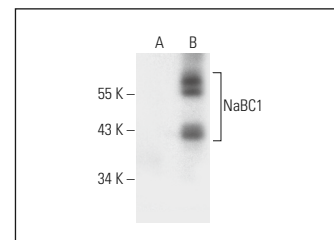
To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



NaBC1 (B-12): sc-393808. Western blot analysis of NaBC1 expression in non-transfected: sc-117752 (A) and human NaBC1 transfected: sc-372948 (B) 293T whole cell lysates.



NaBC1 (F-4): sc-393740. Western blot analysis of NaBC1 expression in non-transfected: sc-117752 (A) and human NaBC1 transfected: sc-372948 (B) 293T whole cell lysates.

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.

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.