NAB2 (1C4): sc-23867

BACKGROUND

Transcriptional control is in part regulated by interactions between DNA-bound transcription factors, such as Egr-1/NGFI-A, and co-regulatory proteins, such as NAB (for NGFI-A-binding proteins). The evolutionarily conserved NAB proteins, NAB1 and NAB2 are co-repressors of EGF-1/NGFI-A. Both NAB1 and NAB2 contain an amino-terminal NAB conserved domain 1 (NCB1), which is required for binding NGFI-A, and a carboxy-terminal NCD2 domain, which is responsible for the repressor function of NAB proteins. NAB2 is principally localized in the nucleus and may play a role in the downregulation of NGFI-A activity as well as in controlling fundamental processes such as cell division, differentiation and apoptosis. NAB2 localizes to chromosome 12q13.3, a region that is rearranged in several solid tumors, lipomas and liposarcomas.

CHROMOSOMAL LOCATION

Genetic locus: NAB2 (human) mapping to 12q13.3; NAB2 (mouse) mapping to 10 D3.

SOURCE

NAB2 (1C4) is a mouse monoclonal antibody raised against recombinant human NAB2 protein.

PRODUCT

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

NAB2 (1C4) is available conjugated to agarose (sc-23867 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-23867 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-23867 PE), fluorescein (sc-23867 FITC), Alexa Fluor® 488 (sc-23867 AF488), Alexa Fluor® 546 (sc-23867 AF546), Alexa Fluor® 594 (sc-23867 AF594) or Alexa Fluor® 647 (sc-23867 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-23867 AF680) or Alexa Fluor® 790 (sc-23867 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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APPLICATIONS

NAB2 (1C4) is recommended for detection of NAB2 of mouse, rat and 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 immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for NAB2 siRNA (h): sc-36014, NAB2 siRNA (m): sc-36015, NAB2 shRNA Plasmid (h): sc-36014-SH, NAB2 shRNA Plasmid (m): sc-36015-SH, NAB2 shRNA (h) Lentiviral Particles: sc-36014-V and NAB2 shRNA (m) Lentiviral Particles: sc-36015-V.

Molecular Weight (predicted) of NAB2: 57 kDa.

Molecular Weight (observed) of NAB2: 64 kDa.

Positive Controls: MCF7 whole cell lysate: sc-2206, SK-BR-3 cell lysate: sc-2218 or MDA-MB-231 cell lysate: sc-2232.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA

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Selective Product Citations


RESEARCH USE

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