SSNA1 (C-5): sc-376254

BACKGROUND

SSNA1 (sjoegren syndrome nuclear autoantigen 1), also known as N14 or NA-14 (nuclear autoantigen of 14 kDa), is a 119 amino acid nuclear and cytoplasmic protein that is widely expressed and belongs to the SSNA1 family. While most highly expressed in testis, SSNA1 is found at lower levels in peripheral blood leukocytes, spleen, colon, thymus, ovary, prostate and small intestine, and is thought to be associated with microtubule structures. SSNA1 contains an N-terminal dimeric coiled-coil domain, a C-terminal small intestine, and is thought to be associated with microtubule structures.

APPLICATIONS

SSNA1 (C-5) is recommended for detection of SSNA1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG B-HRP: sc-516102 or m-IgG B-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. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003. 3) Immunofluorescence: use m-IgG B-FITC: sc-516140 or m-IgG B-PFITC: sc-516140 or m-IgG B-PE: sc-516141 (dilution range 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG B-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: SSNA1 (human) mapping to 9q34.3; Ssna1 (mouse) mapping to 2 A3.

SOURCE

SSNA1 (C-5) is a mouse monoclonal antibody raised against amino acids 1-119 representing full length SSNA1 of human origin.

PRODUCT

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

SSNA1 (C-5) is available conjugated to agarose (sc-376254 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-376254 HRP), 200 µg/ml for WB, IHC(PE) and ELISA; to either phycoerythrin (sc-376254 PE), fluorescein (sc-376254 FITC), Alexa Fluor® 488 (sc-376254 AF488), Alexa Fluor® 546 (sc-376254 AF546), Alexa Fluor® 594 (sc-376254 AF594) or Alexa Fluor® 647 (sc-376254 AF647), 200 µg/ml for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-376254 AF680) or Alexa Fluor® 790 (sc-376254 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG B-HRP: sc-516102 or m-IgG B-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. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003. 3) Immunofluorescence: use m-IgG B-FITC: sc-516140 or m-IgG B-PE: sc-516141 (dilution range 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG B-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

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.