

SNAPC 43 (3025C1a): sc-81571

BACKGROUND

TATA box-binding protein (TBP) interactions with TBP-associated factors (TAFs) are required for the transcription of RNA polymerases. One particular TBP-TAF complex, snRNA-activating protein complex (SNAPC), is unusual in that it regulates basal transcription of both RNA polymerase II and III by binding specifically to a non-TATA box proximal sequence element (PSE). SNAPC consists of five subunits of varying size. SNAPC binds to Oct-1 and TBP, which are activators of snRNA and RNA polymerases, respectively. The POU domain of Oct-1 binds to SNAPC 190 and effectively recruits SNAPC to the PSE. The cooperative binding of SNAPC and Oct-1 to their respective sequence elements is mediated by a nucleosome positioned between the two sequence elements. SNAPC 19 mediates the assembly of the subunits to form a functional SNAPC transcription regulator. SNAPC 50 (also designated PTF β) contains two zinc finger motifs and binds to SNAPC 43 (also designated PTF γ) but not SNAPC 45 (PTF δ).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SNAPC2 (human) mapping to 19p13.2.

RESEARCH USE

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

SOURCE

SNAPC 43 (3025C1a) is a mouse monoclonal antibody raised against a recombinant protein corresponding to a region near the C-terminus of SNAPC 43 of human origin.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 1.0% stabilizer protein.

APPLICATIONS

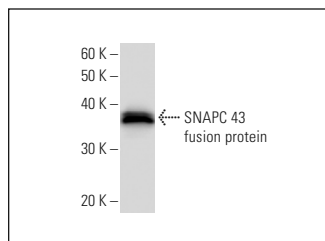
SNAPC 43 (3025C1a) is recommended for detection of SNAPC 43 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)].

Suitable for use as control antibody for SNAPC 43 siRNA (h): sc-38401, SNAPC 43 shRNA Plasmid (h): sc-38401-SH and SNAPC 43 shRNA (h) Lentiviral Particles: sc-38401-V.

Molecular Weight of SNAPC: 43 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

DATA



SNAPC 43 (3025C1a): sc-81571. Western blot analysis of human recombinant SNAPC 43 fusion protein.

STORAGE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.