

SWI5 (C-13): sc-139236

BACKGROUND

Expression of the yeast HO gene in late G₁ of the cell cycle requires the SWI/SNF chromatin remodeling complex, the Gcn5 histone acetyltransferase, and two different sequence-specific transcriptional activators, Swi5 and Swi4/Swi6. Swi5 is a cell cycle-regulated transcription factor that activates expression of early G₁-specific genes in *Saccharomyces cerevisiae*. Swi5 regulates the expression of several target genes involved in mating type switching, exit from mitosis and cell wall function. Swi5 has zinc finger DNA-binding domains that are highly conserved and Swi5 activates the HO gene expression *in vivo*. Additionally, Swi5 is a member of the CLB2 cluster and regulates the transcription of the SIC1 Cdk inhibitor in late mitosis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SWI5 (human) mapping to 9q34.11.

RESEARCH USE

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

SOURCE

SWI5 (C-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of SWI5 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-139236 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SWI5 (C-13) is recommended for detection of SWI5 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

SWI5 (C-13) is also recommended for detection of SWI5 in additional species, including porcine.

Suitable for use as control antibody for SWI5 siRNA (h): sc-156122, SWI5 shRNA Plasmid (h): sc-156122-SH and SWI5 shRNA (h) Lentiviral Particles: sc-156122-V.

Molecular Weight of SWI5: 27 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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 or our catalog for detailed protocols and support products.