

# hSNF2H (N-17): sc-8759

## BACKGROUND

The SWI/SNF complex is involved in the activation of transcription via the remodeling of nucleosome structure in an ATP-dependent manner. Brm (also designated SNF1 or SNF2 $\alpha$ ) and Brg-1 (also designated SNF2 or SNF2 $\beta$ ) are the ATPase subunits of the mammalian SWI/SNF complex. Brm, Brg-1, Ini1 (integrase interactor 1, also designated SNF5), BAF155 (also designated SRG3) and BAF170 are thought to comprise the functional core of the SWI/SNF complex. Addition of Ini1, BAF155 and BAF170 to Brg-1 appears to increase remodeling activity. Other complex subunits are thought to play regulatory roles. hSNF2L and hSNF2H both appear to be homologs of *Drosophila* ISWI, a Brm related ATPase that is present in chromatin remodeling complexes other than SWI/SNF, including the NURF (nucleosome remodeling factor).

## CHROMOSOMAL LOCATION

Genetic locus: SMARCA5 (human) mapping to 4q31.1-q31.2; Smarca5 (mouse) mapping to 8 C2.

## SOURCE

hSNF2H (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of hSNF2H of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-8759 X, 200  $\mu$ g/0.1 ml.

Blocking peptide available for competition studies, sc-8759 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## STORAGE

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

## APPLICATIONS

hSNF2H (N-17) is recommended for detection of hSNF2H of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for hSNF2H siRNA (h): sc-35594, hSNF2H siRNA (m): sc-35595, hSNF2H shRNA Plasmid (h): sc-35594-SH, hSNF2H shRNA Plasmid (m): sc-35595-SH, hSNF2H shRNA (h) Lentiviral Particles: sc-35594-V and hSNF2H shRNA (m) Lentiviral Particles: sc-35595-V.

hSNF2H (N-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

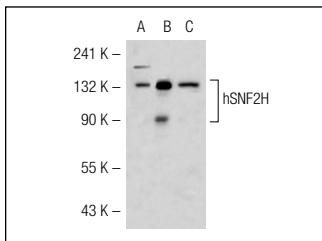
Molecular Weight of hSNF2H: 135 kDa.

Positive Controls: hSNF2H (h): 293T Lysate: sc-113724, Jurkat whole cell lysate: sc-2204 or K-562 nuclear extract: sc-2130.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



hSNF2H (N-17): sc-8759. Western blot analysis of hSNF2H expression in non-transfected 293T: sc-117752 (A), human hSNF2H transfected 293T: sc-113724 (B) and K-562 (C) whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.



Try **hSNF2H (D-10): sc-365727**, our highly recommended monoclonal alternative to hSNF2H (N-17).