

# WBSCR22 (FL-281): sc-135322

## BACKGROUND

Williams-Beuren syndrome (WBS) is a developmental disorder caused by a hemizygous microdeletion on chromosome 7q11.23. WBS is an autosomal dominant genetic condition that is characterized by abnormal physical, cognitive and behavioral traits. The physical traits associated with WBS include facial dysmorphism, vascular stenoses, growth deficiencies, dental anomalies and neurologic and musculoskeletal abnormalities. Mild retardation, weakness in visual-spatial skills, anxiety and a short attention span are typical cognitive and behavioral traits of WBS patients. The WBSCR22 gene is located within the WBS deletion and may contribute to the developmental symptoms found in WBS because of a loss of the encoded transcription factor. WBSCR22 (Williams-Beuren syndrome chromosomal region 22 protein), also known as HUSSY-3, PP3381 or WBMT, is a 281 amino acid nuclear methyltransferase that may act on DNA. WBSCR22 is highly expressed in kidney, heart and skeletal muscle and has lower levels of expression in lung, spleen, liver and testis.

## CHROMOSOMAL LOCATION

Genetic locus: WBSCR22 (human) mapping to 7q11.23; Wbscr22 (mouse) mapping to 5 G2.

## SOURCE

WBSCR22 (FL-281) is a rabbit polyclonal antibody raised against amino acids 1-281 representing full length WBSCR22 of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## RESEARCH USE

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

## APPLICATIONS

WBSCR22 (FL-281) is recommended for detection of WBSCR22 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 solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

WBSCR22 (FL-281) is also recommended for detection of WBSCR22 in additional species, including porcine.

Suitable for use as control antibody for WBSCR22 siRNA (h): sc-89457, WBSCR22 siRNA (m): sc-155248, WBSCR22 shRNA Plasmid (h): sc-89457-SH, WBSCR22 shRNA Plasmid (m): sc-155248-SH, WBSCR22 shRNA (h) Lentiviral Particles: sc-89457-V and WBSCR22 shRNA (m) Lentiviral Particles: sc-155248-V.

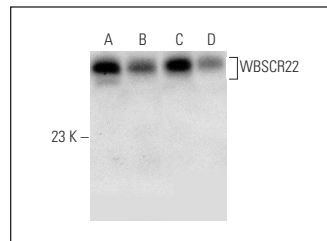
Molecular Weight of WBSCR22: 32 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, HCT-116 whole cell lysate: sc-364175 or A-375 cell lysate: sc-3811.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

## DATA



WBSCR22 (FL-281): sc-135322. Western blot analysis of WBSCR22 expression in A-375 (A), HeLa (B), HCT-116 (C) and NTERA-2 cl.D1 (D) whole cell lysates.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

**MONOS**  
Satisfaction  
Guaranteed

Try **WBSCR22 (F-2): sc-376714**, our highly recommended monoclonal alternative to WBSCR22 (FL-281).