

# WSTF (Q-15): sc-10636

## BACKGROUND

WSTF (Williams syndrome transcription factor), also known as WBSR9, is encoded by the BAZ1B gene, which, through deletion, is considered a contributory factor for the human developmental disorder Williams syndrome. WSTF is ubiquitously expressed in adult and fetal tissues and is involved in chromatin remodeling and modulation of transcription. A closely related gene, BAZ1A, encodes WCRF, also a chromatin remodeling protein important for development. WSTF incorporates several features that operate in chromatin remodeling and modulation of transcription, including a PHD finger, which is a zinc-finger-like motif rich in cysteine; a bromodomain, which is thought to mediate interactions with histones; and several nuclear binding motifs.

## CHROMOSOMAL LOCATION

Genetic locus: BAZ1B (human) mapping to 7q11.23; Baz1b (mouse) mapping to 5 G2.

## SOURCE

WSTF (Q-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of WSTF 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.

Blocking peptide available for competition studies, sc-10636 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-10636 X, 200 µg/0.1 ml.

## RESEARCH USE

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

## APPLICATIONS

WSTF (Q-15) is recommended for detection of WSTF 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).

WSTF (Q-15) is also recommended for detection of WSTF in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WSTF siRNA (h): sc-38619, WSTF siRNA (m): sc-38620, WSTF shRNA Plasmid (h): sc-38619-SH, WSTF shRNA Plasmid (m): sc-38620-SH, WSTF shRNA (h) Lentiviral Particles: sc-38619-V and WSTF shRNA (m) Lentiviral Particles: sc-38620-V.

WSTF (Q-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

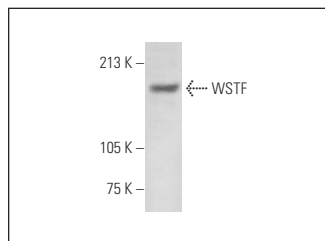
Molecular Weight of WSTF: 170 kDa.

Positive Controls: IMR-32 cell lysate: sc-2409.

## 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



WSTF (Q-15): sc-10636. Western blot analysis of WSTF expression in IMR-32 whole cell lysate.

## 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.

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Satisfaction  
Guaranteed

Try **WSTF (G-5): sc-514287** or **WSTF (BAZ1H4H9): sc-81426**, our highly recommended monoclonal alternatives to WSTF (Q-15).