

# ARID2 (S-13): sc-107451

## BACKGROUND

BAF200 (AT-rich interactive domain-containing protein 2, Brg-1-associated factor 200) is a 1,835 amino acid protein encoded by the human gene ARID2. BAF200 is a nuclear protein that belongs to the SWI/SNF family of chromatin-remodeling complexes and contains one ARID domain. It is involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). BAF200 is required for the stability of the BAF (SWI/SNF-A) and PBAF (SWI/SNF-B) chromatin remodeling complexes. It also may be involved in targeting the SWI/SNF complex to different genes.

## CHROMOSOMAL LOCATION

Genetic locus: ARID2 (human) mapping to 12q12; Arid2 (mouse) mapping to 15 F1.

## SOURCE

ARID2 (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of ARID2 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-107451 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-107451 X, 200 µg/0.1 ml.

## STORAGE

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

## APPLICATIONS

ARID2 (S-13) is recommended for detection of ARID2 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); non cross-reactive with other BAF family members.

Suitable for use as control antibody for ARID2 siRNA (h): sc-96225, ARID2 siRNA (m): sc-77400, ARID2 shRNA Plasmid (h): sc-96225-SH, ARID2 shRNA Plasmid (m): sc-77400-SH, ARID2 shRNA (h) Lentiviral Particles: sc-96225-V and ARID2 shRNA (m) Lentiviral Particles: sc-77400-V.

ARID2 (S-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of ARID2: 197 kDa.

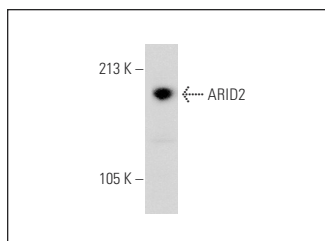
Molecular Weight (observed) of ARID2: 217 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210, HEK293 whole cell lysate: sc-45136 or NTERA-2 cl.D1 whole cell lysate: sc-364181.

## 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



ARID2 (S-13): sc-107451. Western blot analysis of ARID2 expression in NTERA-2 cl.D1 whole cell lysate.

## 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.


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Try **ARID2 (E-3): sc-166117**, our highly recommended monoclonal alternatives to ARID2 (S-13). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see **ARID2 (E-3): sc-166117**.