

ARID2 (h): 293T Lysate: sc-175552

BACKGROUND

BAF200 (AT-rich interactive domain-containing protein 2, BRG1-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.

REFERENCES

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3. Gerhard, D.S., et al. 2004. The status, quality, and expansion of the NIH full-length cDNA project: the mammalian gene collection (MGC). *Genome Res.* 14: 2121-2127.
4. Wilsker, D., et al. 2005. Nomenclature of the ARID family of DNA-binding proteins. *Genomics* 86: 242-251.
5. Patsialou, A., et al. 2005. DNA-binding properties of ARID family proteins. *Nucleic Acids Res.* 33: 66-80.
5. Yan, Z., et al. 2005. PBAF chromatin-remodeling complex requires a novel specificity subunit, BAF200, to regulate expression of selective interferon-responsive genes. *Genes Dev.* 19: 1662-1667.
7. Zhang, X., et al. 2006. Zipzap/p200 is a novel zinc finger protein contributing to cardiac gene regulation. *Biochem. Biophys. Res. Commun.* 346: 794-801.

CHROMOSOMAL LOCATION

Genetic locus: ARID2 (human) mapping to 12q12.

PRODUCT

ARID2 (h): 293T Lysate represents a lysate of human ARID2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

ARID2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ARID2 antibodies. Recommended use: 10-20 µl per lane.

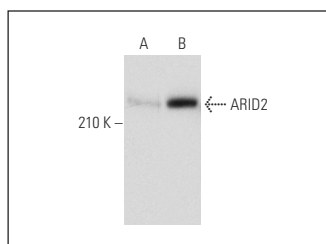
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ARID2 (E-3): sc-166117 is recommended as a positive control antibody for Western Blot analysis of enhanced human ARID2 expression in ARID2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



ARID2 (E-3): sc-166117. Western blot analysis of ARID2 expression in non-transfected: sc-117752 (A) and human ARID2 transfected: sc-175552 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.