

A23291

Leader in Biomolecular Solutions for Life Science



SMARCA2 / BRM Rabbit mAb

Catalog No.: A23291

Recombinant

1 Publications

Basic Information

Observed MW

200 kDa

Calculated MW

181kDa

Category

Monoclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ChIP,ELISA

Cross-Reactivity

Human

CloneNo number

ARC59944

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:200 - 1:800

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ChIP 5µg antibody for
10µg-20µg of
Chromatin

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements..

Contact

 www.abclonal.com

Background

The protein encoded by this gene is a member of the SWI/SNF family of proteins and is highly similar to the brahma protein of *Drosophila*. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, which contains a trinucleotide repeat (CAG) length polymorphism.

Immunogen Information

Gene ID

6595

Swiss Prot

P51531

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 201-300 of human SMARCA2 (NP_003061.3).

Synonyms

BIS; BRM; SNF2; SWI2; hBRM; NCBRS; Sth1p; BAF190; SNF2L2; SNF2LA; hSNF2a; SMARCA2 / BRM

Product Information

Source

Rabbit

Isotype

IgG

Purification

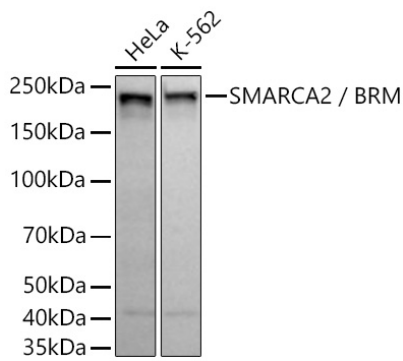
Affinity purification

Storage

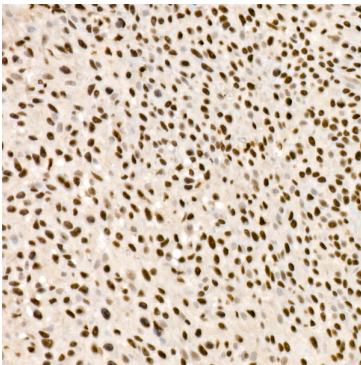
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

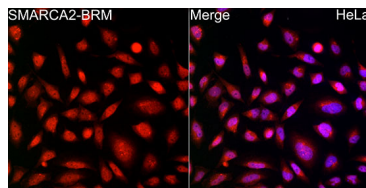
Validation Data



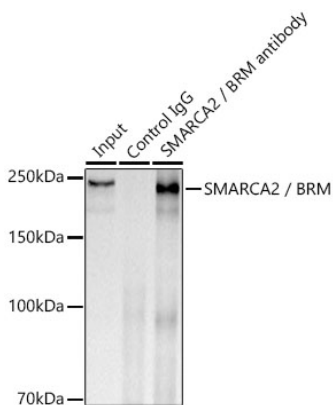
Western blot analysis of various lysates using SMARCA2 / BRM Rabbit mAb (A23291) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using SMARCA2 / BRM Rabbit mAb (A23291) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

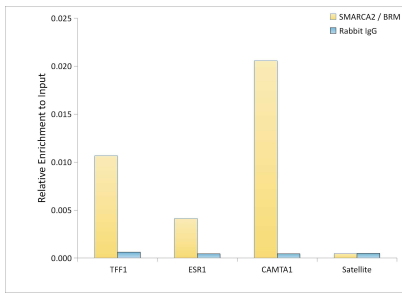


Immunofluorescence analysis of HeLa cells using SMARCA2 / BRM Rabbit mAb (A23291) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg SMARCA2 / BRM Rabbit mAb (A23291). Western blot was performed from the immunoprecipitate using SMARCA2 / BRM Rabbit mAb (A23291) at a dilution of 1:5000.

Validation Data



Chromatin immunoprecipitation was performed with 20 μg of cross-linked chromatin from MCF7 cells treated with β -estradiol (10 nM, 45 min), using 5 μg of SMARCA2 / BRM Rabbit mAb(A23291) and Rabbit IgG isotype control(AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.