

BRG1/SMARCA4 Rabbit mAb

Catalog No.: A19556

Recombinant

2 Publications

Basic Information

Observed MW

220kDa/

Calculated MW

185kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0035

Background

The protein encoded by this gene is a member of the SWI/SNF family of proteins and is 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. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Mutations in this gene cause rhabdoid tumor predisposition syndrome type 2. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:1000 - 1:2000**IHC-P** 1:100 - 1:500**IF/ICC** 1:100 - 1:800

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

Immunogen Information

Gene ID

6597

Swiss Prot

P51532

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

BRG1; CSS4; SNF2; SWI2; MRD16; RTPS2; BAF190; SNF2L4; SNF2LB; hSNF2b; BAF190A; SNF2-beta; BRG1/SMARCA4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

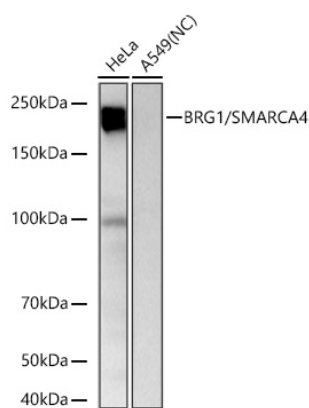
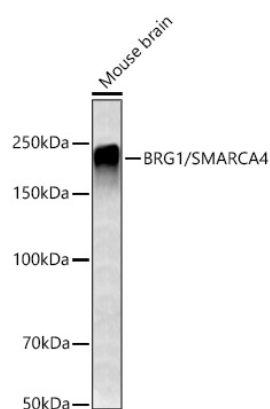
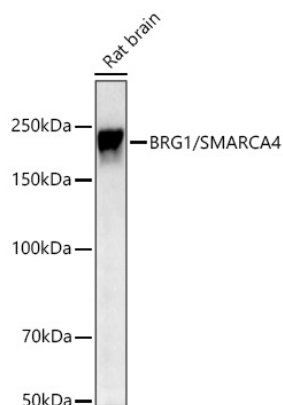
Affinity purification

Storage

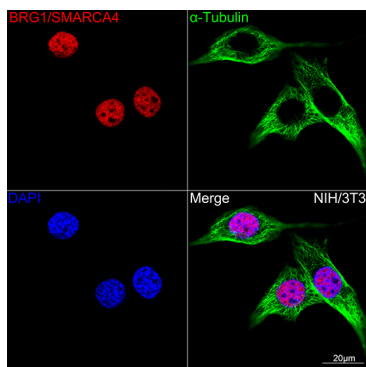
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

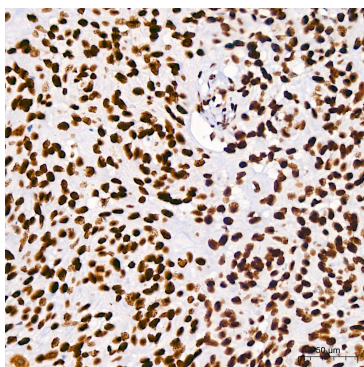
Validation Data



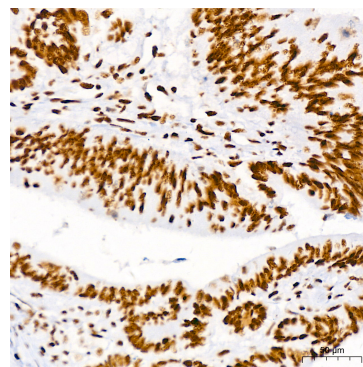
Validation Data



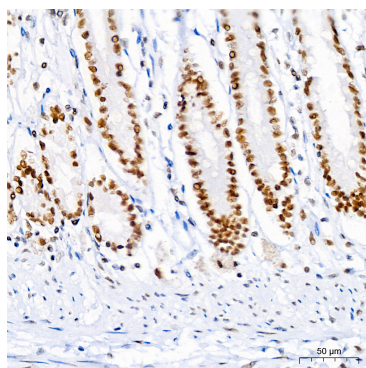
Confocal imaging of NIH-3T3 cells using BRG1/SMARCA4 Rabbit mAb (A19556, dilution 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



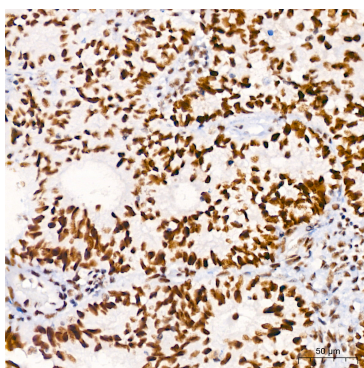
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



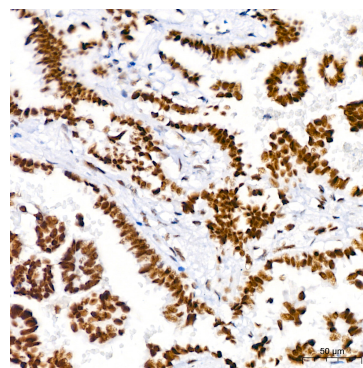
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



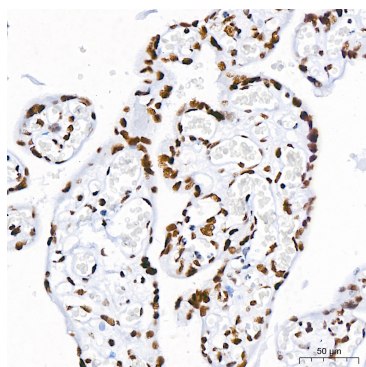
Immunohistochemistry analysis of paraffin-embedded Human colon using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human endometrium cancer using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using BRG1/SMARCA4 Rabbit mAb (A19556) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.