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## SMARCA4 Rabbit pAb

Catalog Number: bs-55203R

Target Protein: SMARCA4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-100), IHC-F (1:50-100), IF (1:20-50), ICC/IF (1:100)

Reactivity: Human

Predicted MW: 181 kDa

Entrez Gene: 6597

Swiss Prot: P51532

Source: KLH conjugated synthetic peptide derived from human SMARCA4: 30-130/1647.

Purification: affinity purified by Protein A

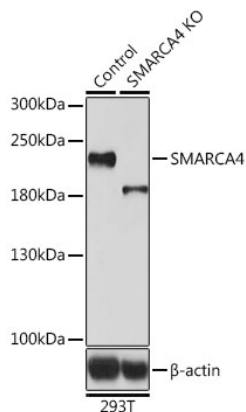
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

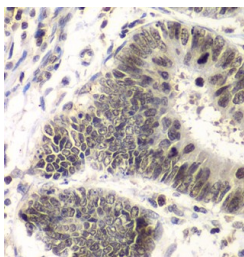
**Background:** The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of *Drosophila*. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure 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. Alternatively spliced transcripts have been found for this gene, but their full-length natures have not been determined.

### VALIDATION IMAGES

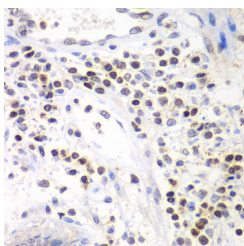
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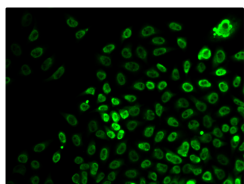
Sample: Lane 1: 293T (Human) Cell Lysate at 25 ug Lane 2: SMARCA4 knockout (KO) 293T (Human) Cell Lysate at 25 ug Primary: Anti-SMARCA4 (bs-55203R) at 1/500 dilution Secondary: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution Predicted band size: 180 kD Observed band size: 180 kD



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SMARCA4) Polyclonal Antibody, Unconjugated (bs-55203R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SMARCA4) Polyclonal Antibody, Unconjugated (bs-55203R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (KO Validated)SMARCA4 polyclonal Antibody, Unconjugated (bs-55203R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes.