

Product datasheet for **TA349038**

BRG1 (SMARCA4) Rabbit Polyclonal Antibody

Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | SMARCA4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human SMARCA4. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | SMARCA4 antibody is affinity chromatography purified via peptide column. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | Predicted: 185 kDa; Observed: 200 kDa |
| Gene Name: | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 |
| Database Link: | NP_001122321 Entrez Gene 6597 Human P51532 |



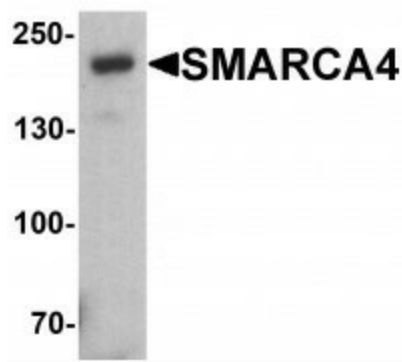
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Background:

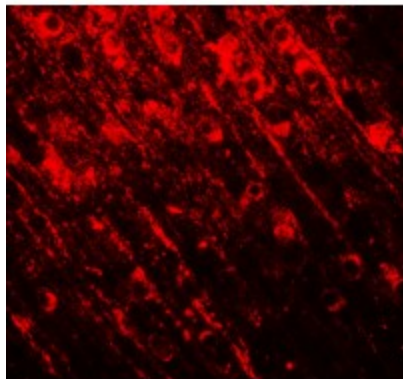
The SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily a member 4 (SMARCA4) protein, also known as BRG1, is a member of the SWI/SNF family of proteins and is similar to the brahma protein of *Drosophila* (1). Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes (2). 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 (3). In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44 (4,5).

Synonyms:

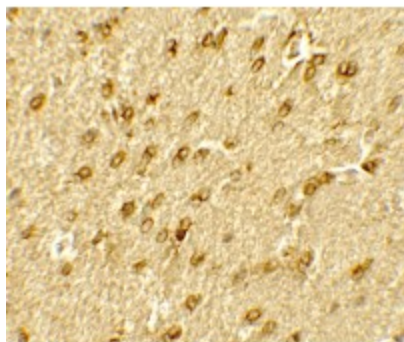
AAAT; EAAT5

Product images:

Western blot analysis of SMARCA4 in SK-N-SH cell lysate with SMARCA4 antibody at 1 ug/mL.



Immunohistochemistry of SMARCA4 in rat brain tissue with SMARCA4 antibody at 5 ug/mL.



Immunohistochemistry of SMARCA4 in rat brain tissue with SMARCA4 antibody at 5 ug/mL.