

Datasheet for ABIN7164524

anti-SMARCA2 antibody (AA 700-1216) (HRP)[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | SMARCA2 |
| Binding Specificity: | AA 700-1216 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SMARCA2 antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Probable global transcription activator SNF2L2 protein (700-1216AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|--|
| Target: | SMARCA2 |
| Alternative Name: | SMARCA2 (SMARCA2 Products) |
| Background: | Background: Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. Also involved in vitamin D-coupled transcription regulation |

Target Details

via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth.

Aliases: ATP dependent helicase SMARCA2 antibody, ATP-dependent helicase SMARCA2 antibody, BAF190 antibody, BAF190B antibody, BRG1-associated factor 190B antibody, BRM antibody, FLJ36757 antibody, Global transcription activator homologous sequence antibody, hBRM antibody, hSNF2a antibody, MGC74511 antibody, Possible global transcription activator SNF2L2 antibody, Probable global transcription activator SNF2L2 antibody, Protein brahma homolog antibody, SMARCA2 antibody, SMCA2_HUMAN antibody, SNF2 alpha antibody, SNF2 like 2 antibody, SNF2-alpha antibody, SNF2/SWI2 like protein 2 antibody, SNF2L2 antibody, SNF2LA antibody, Sth1p antibody, Sucrose nonfermenting 2 like protein 2 antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily A member 2 antibody, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 2 antibody

UniProt: [P51531](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Handling

Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.