

## ARG44260 anti-SMARCA2 / BRM antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SMARCA2 / BRM
Tested Reactivity	Hu
Predict Reactivity	Rat
Tested Application	ICC/IF
Specificity	This antibody is expected to recognise both reported isoforms
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SMARCA2 / BRM
Species	Human
Immunogen	Synthetic peptide around the internal region of Human SMARCA2 / BRM (PSNSQLEIEGNSS)
Conjugation	Un-conjugated
Alternate Names	SMARCA2; SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member; HBRM; BRM; BAF190; SNF2LA; SNF2L2; SNF2; SWI2; Probable Global Transcription Activator SNF2L2; ATP-Dependent Helicase SMARCA2; BRG1-Associated Factor 190B; Protein Brahma Homolog; Brahma Homolog; SNF2-Alpha; BAF190B; HSNF2a; Sth1p

### Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/µl

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

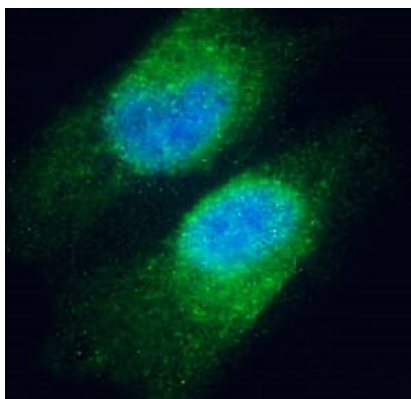
## Bioinformation

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Gene Symbol	SMARCA2
Gene Full Name	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 2
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.
Function	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 postmitotic 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 postmitotic 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 (By similarity).
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Nucleus

## Images

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ARG44260 anti-SMARCA2 / BRM antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44260 anti-SMARCA2 / BRM antibody at 10 µg/m dilution.