



SMARCC1 Monoclonal Antibody

Product Code	CSB-MA209004
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant Human BAF155 protein fragments expressed in E.coli.
Raised In	Mouse
Species Reactivity	Human
Specificity	This antibody detects endogenous levels of BAF155 and does not cross-react with related proteins.
Tested Applications	ELISA,WB;Recommended dilution:WB:1:500-1:5000
Relevance	<p>Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology).May stimulate the ATPase activity of the catalytic subunit of the complex.Also involved in vitamin D-coupled transcription regulation 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 by similarity.</p>
Form	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity purified
Isotype	IgG1
Clonality	Monoclonal
Alias	AI115498; BAF 155; BAF155; BRG 1 associated factor 155; BRG1 associated factor 155; BRG1-associated factor 155; Chromatin remodeling complex BAF155 subunit; CRACC 1; CRACC1; Mammalian chromatin remodeling complex BRG 1 associated factor 155;
Product Type	Monoclonal Antibody



Immunogen Species	Homo sapiens (Human)
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Clone No.	2A4-H7-C12
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