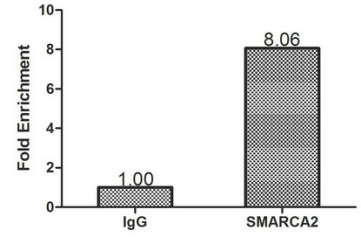
SMARCA2 Antibody

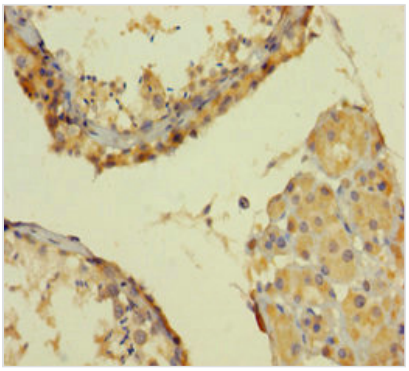
Product Code	CSB-PA021799LA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51531
Immunogen	Recombinant Human Probable global transcription activator SNF2L2 protein (700-1216AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, IHC, ChIP; Recommended dilution: IHC:1:20-1:200
Relevance	Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Probable global transcription activator SNF2L2 (EC 3.6.4.-) (ATP-dependent helicase SMARCA2) (BRG1-associated factor 190B) (BAF190B) (Protein brahma homolog) (hBRM) (SNF2-alpha) (SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 2), SMARCA2, BAF190B BRM SNF2A SNF2L2

Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	SMARCA2

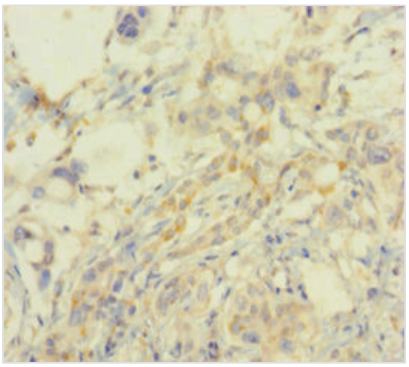
Image



Chromatin Immunoprecipitation Hela ($1.1*10^6$) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4µg anti-SMARCA2 or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers (CSB-PP021799HU) against the ESR1 pS2 promoter.



Immunohistochemistry of paraffin-embedded human testis tissue using CSB-PA021799LA01HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human pancreatic cancer using CSB-PA021799LA01HU at dilution of 1:100