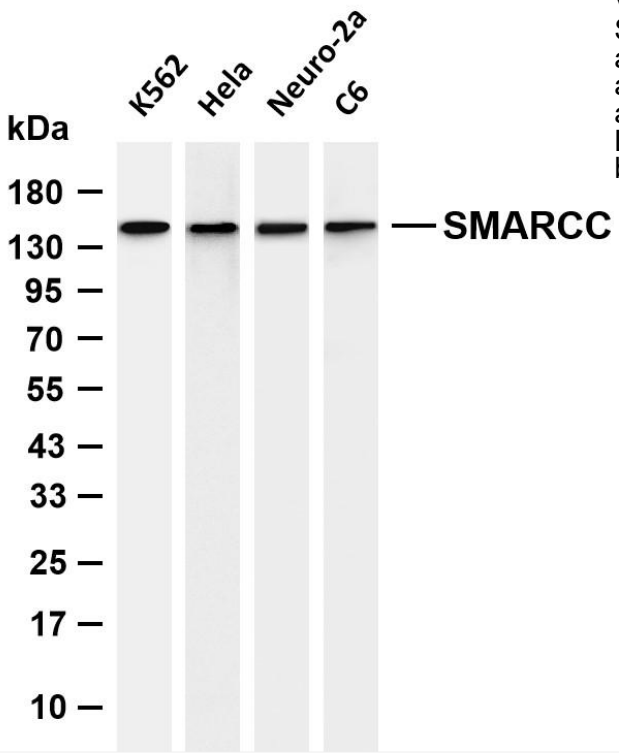
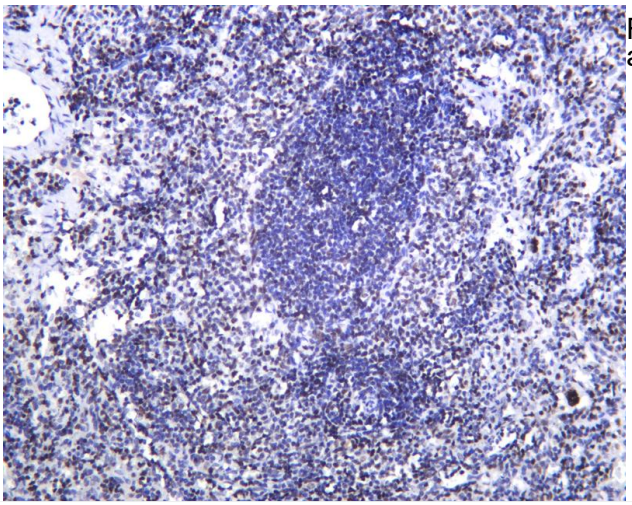
SMARCC1 Rabbit mAb

Catalog No	YP-rAb-17171
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	baf155
Protein Name	
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	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 ; Mammalian chromatin remodeling complex BRG1 associated factor 155 ; Rsc 8 ; Rsc8 ; SMARC C1 ; SMARCC 1 ; SMARCC1 ; SMRC1_HUMAN ; SRG 3 ; SRG3 ; SWI 3 ; SWI/SNF complex 155 kDa subunit ; SWI/SNF related matrix associated actin dependent regulator of chromatin c1 ; SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily c member 1 ; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 1 ; SWI3.
Observed Band	155kD
Calculated Molecular Weight	123kD
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Expressed in brain, heart, muscle, placenta, lung, liver, muscle, kidney and pancreas.

Function	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.,PTM:Phosphorylated on undefined residues at the G2/M transition by ERK1 and other kinases. This may contribute to cell cycle specific inactivation of remodeling complexes containing the phosphorylated protein.,sequence Caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the SMARCC family.,similarity:Contains 1 SANT domain.,similarity:Contains 1 SWIRM domain.,subunit:Component of 6 multiprotein chromatin-remodeling complexes: Swi/Snf-A (BAF), Swi/Snf-B (PBAF), Brm, Brg1(I), WINAC and Brg1(II). Each of the five complexes contains a catalytic subunit (either SMARCA4 or SMARCA2), and at least SMARCE1, ACTL6A/BAF53A or ACTL6B/BAF53B, SMARCC2 and SMARCB1. Other subunits specific to each of the complexes may also be present. Component of the BAF complex, which includes at least actin (ACTB), ARID1A, ARID1B/BAF250, SMARCA2, SMARCA4/BRG1, ACTL6A/BAF53, ACTL6B/BAF53B, SMARCE1/BAF57, SMARCC1/BAF155, SMARCC2/BAF170, SMARCB1/SNF5/INI1, and one or more of SMARCD1/BAF60A, SMARCD2/BAF60B, or SMARCD3/BAF60C. In muscle cells, the BAF complex also contains DPF3. May also interact with the SIN3A histone deacetylase transcription repressor complex in conjunction with SMARCA2 and SMARCA4. The minimal complex composed of SMARCC1 and SMARCA4 seems to be able to associate with cyclin such as CCNE1 or transcription factors such as KLF1 or GATA1. Component of the WINAC complex, at least composed of SMARCA2, SMARCA4, SMARCB1, SMARCC1, SMARCC2, SMARCD1, SMARCE1, ACTL6A, BAZ1B/WSTF, ARID1A, SUPT16H, CHAF1A and TOP2B. Interacts with NR3C1 and SMARD1.,tissue specificity:Expressed in brain, heart, muscle, placenta, lung, liver, muscle, kidney and pancreas.,
Background	The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which 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 and contains a predicted leucine zipper motif typical of many transcription factors. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SMARCC1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: Hela Lane 3: Neuro-2a Lane 4: C6 Predicted band size: 123kDa Observed band size: 155kDa



Rat spleen was stained with anti-SMARCC1 Rabbit antibody