



## SMCA5 rabbit pAb

Co-localizes with RSF1 in the nucleus (PubMed:12972596). Co-localizes with PCNA at replication foci during S phase (PubMed:15543136). Co-localizes with BAZ1B/WSTF at replication foci during late-S phase (PubMed:15543136). Recruited to DNA damage sites following interaction with SIRT6 (PubMed:23911928).  Tissue Specificity  Ubiquitously expressed.		
Reactivity Human; Mouse  Applications WB  Gene Name SMARCA5 SNF2H WCRF135  Protein Name SMCA5  Immunogen Synthesized peptide derived from human SMCA5 AA range: 851-901  Specificity This antibody detects endogenous levels of SMCA5 at Human/Mouse  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit, IgG  Purification The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution WB 1: 500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band  Cell Pathway Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with PCNA at replication foci during 1st-S phase (PubMed:15543136). Co-localizes with BAZ1B,WSTF at replication foci during late-S phase (PubMed:15543136). Recruited to DNA damage sites following interactiuon with SIRT6 (PubMed:39311928).  Tissue Specificity Ubiquitously expressed.  feunction developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy, function:Helicase that possesses intrinsic ATP-dependent nucleosome—remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ14. Probably	Catalog No	BYab-08773
Applications WB Gene Name SMARCA5 SNF2H WCRF135 Protein Name SMCA5  Immunogen Synthesized peptide derived from human SMCA5 AA range: 851-901  Specificity This antibody detects endogenous levels of SMCA5 at Human/Mouse  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit, IgG  Purification The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution WB 1: 500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band  Cell Pathway Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with PCNA at replication foci during Sphase (PubMed:15543136). Co-localizes with BAZ1B,WSFT at replication foci during late-S phase (PubMed:15543136). Recruited to DNA damage sites following interactiuon with SIRT6 (PubMed:239911928).  Tissue Specificity Ubiquitously expressed.  Function developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy, function:Helicase that posesso intrinsic ATP-dependent nucleosome -remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatir; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ14. Probably	Isotype	IgG
Gene Name SMARCA5 SNF2H WCRF135  Protein Name SMCA5  Immunogen Synthesized peptide derived from human SMCA5 AA range: 851-901  Specificity This antibody detects endogenous levels of SMCA5 at Human/Mouse  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit.lgG  Purification The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution WB 1; 500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band  Cell Pathway Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with BAZ1B/WSTF at replication foci during S phase (PubMed:15643136). Co-localizes with BAZ1B/WSTF at replication foci during late-S phase (PubMed:15643136). Recruited to DNA damage sites following interactiuon with SIRT6 (PubMed:23911928).  Tissue Specificity Ubiquitously expressed.  Function developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following ohemotherapy, function-Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably	Reactivity	Human; Mouse
Immunogen   Synthesized peptide derived from human SMCA5 AA range: 851-901	Applications	WB
Immunogen         Synthesized peptide derived from human SMCA5 AA range: 851-901           Specificity         This antibody detects endogenous levels of SMCA5 at Human/Mouse           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1: 500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Observed Band           Cell Pathway         Nucleus Chromosome Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with PCNA at replication foci during S phase (PubMed:12972596). Co-localizes with PCNA at replication foci during S phase (PubMed:15543136). Recruited to DNA damage sites following interaction with SIRT6 (PubMed:23911928).           Tissue Specificity         Ubiquitously expressed.           Function         developmental stage: Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy, function: Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in coni	Gene Name	SMARCA5 SNF2H WCRF135
Specificity This antibody detects endogenous levels of SMCA5 at Human/Mouse  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit, IgG  Purification The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution WB 1: 500-2000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year  Synonyms  Observed Band Cell Pathway Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with RSF1 in the nucleus (PubMed:12972596). Co-localizes with BA71B/MSTF at replication foci during S phase (PubMed:15543136). Recruited to DNA damage sites following interaction with SIRT6 (PubMed:23911928).  Tissue Specificity Ubiquitously expressed.  developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy, function:Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 Italis. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ14. Probably	Protein Name	SMCA5
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution WB 1: 500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band  Cell Pathway Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with PCNA at replication foci during S phase (PubMed:15543136). Co-localizes with BAZ1B/WSTF at replication foci during late-S phase (PubMed:15543136). Recruited to DNA damage sites following interactiuon with SIRT6 (PubMed:23911928).  Tissue Specificity Ubiquitously expressed.  Eunction developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy , function:Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCAS are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably	Immunogen	Synthesized peptide derived from human SMCA5 AA range: 851-901
Polyclonal, Rabbit,IgG  Purification  The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution  WB 1: 500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  Cell Pathway  Nucleus . Chromosome . Localizes to mitotic chromosomes (PubMed:12972596). Co-localizes with RSF1 in the nucleus (PubMed:12972596). Co-localizes with PcNA at replication foci during S phase (PubMed:15543136). Recruited to DNA damage sites following interaction with SIRT6 (PubMed:23911928).  Tissue Specificity  Ubiquitously expressed.  developmental stage:Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy.,function:Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 talis. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably	Specificity	This antibody detects endogenous levels of SMCA5 at Human/Mouse
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	Function	remission following chemotherapy.,function:Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this

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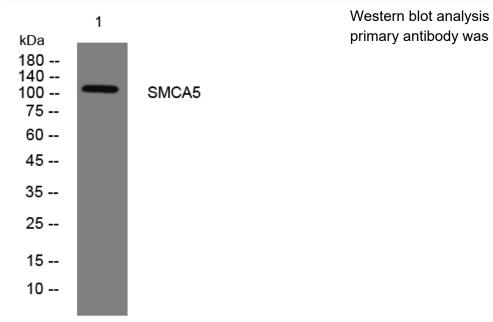


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	through the recruitment of the SIN3/HDAC1 corepressor complex to the rDNA promoter. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the
Background	The protein encoded by this gene is a member of the SWI/SNF family of proteins. 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 protein encoded by this gene is a component of the chromatin remodeling and spacing factor RSF, a facilitator of the transcription of class II genes by RNA polymerase II. The encoded protein is similar in sequence to the Drosophila ISWI chromatin remodeling protein. [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.

## **Products Images**



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

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