SunLong Biotech Co.,LTD
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[Primary Antibody]

Mouse Anti-SMARCA5 antibody

Catalog Number: SLM-60253M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2b/Kappa
Clonality:	Monoclonal
Clone No.:	B2A2
Target:	SMARCA5
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ICC/IF=1:50-100 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	122kDa
Subcellular Location:	The nucleus
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] **Subcellular Location:** Nucleus. **Tissue Specificity:** Ubiquitously expressed. **Database links:** **Entrez Gene:** 8467 Human **SwissProt:** O60264 Human Helicase has intrinsic ATP-dependent nucleosome remodeling activity.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Complexes containing SmarC5 can form ordered nucleosome arrays on chromatin, which may require the intact histone H4 tail. It is involved in replicating pericentric heterochromatin during the S phase, particularly in binding to BAZ1A. It may inhibit polI-dependent transcription at rDNA loci by recruiting the SIN3/HDAC1 complex to the rDNA promoter. It is also an important component of the WICH complex, a chromatin remodeling complex that activates nucleosomes and reconfigures irregular chromatin into a regular nucleosome array structure.

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