

## Product datasheet for **TA385281S**

### SNF2H (SMARCA5) Rabbit Monoclonal Antibody [Clone ID: R05-9D5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R05-9D5
Applications:	IF, WB
Recommended Dilution:	WB: 1/1000 ICC/IF: 1/50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human SNF2H
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 122 kDa; Observed MW: 122 kDa
Gene Name:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5
Database Link:	<a href="#">Entrez Gene 8467 Human O60264</a>



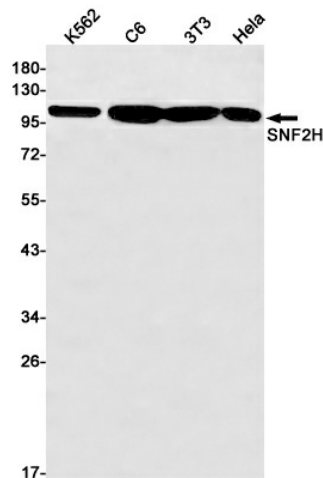
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**Background:**

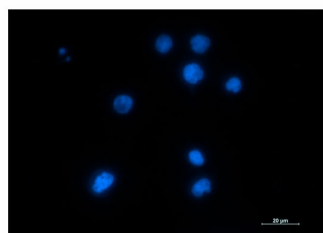
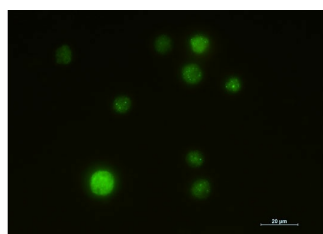
Swiss-Prot Acc.O60264. Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably plays a role in repression of polII dependent transcription of the rDNA locus, 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 transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. Essential component of the NoRC (nucleolar remodeling complex) complex, a complex that mediates silencing of a fraction of rDNA by recruiting histone-modifying enzymes and DNA methyltransferases, leading to heterochromatin formation and transcriptional silencing.

**Synonyms:**

hISWI; hSNF2H; ISWI; SNF2H; WCRF135

**Product images:**

Western blot analysis of SNF2H in K562, C6, 3T3, HeLa lysates using SNF2H antibody.



Immunocytochemistry analysis of SMARCA5 (green) in Jurkat using SMARCA5 antibody, and DAPI(blue).