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Datasheet for ABIN7119632 **anti-SMARCA5 antibody**

Overview

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| Quantity: | 100 µg |
| Target: | SMARCA5 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SMARCA5 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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| Immunogen: | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 |
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

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| Target: | SMARCA5 |
| Alternative Name: | SMARCA5 (SMARCA5 Products) |
| Background: | Synonyms: SNF2H, WCRF135 Background: 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 |

Target Details

for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably plays a role in repression of polI 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.

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| Molecular Weight: | 185 kDa |
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| Gene ID: | 8467 |
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| UniProt: | O60264 |
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| Pathways: | Chromatin Binding |
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Application Details

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| Application Notes: | WB: 1:500-1:2000 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Buffer: | PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3, |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | -20 °C |
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| Storage Comment: | -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |
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| Expiry Date: | 12 months |
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