Datasheet for ABIN6242643

# anti-SMARCD3 antibody (N-Term)

2 Images

Go to Product page

## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | SMARCD3 |
| Binding Specificity: | AA 27-60, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SMARCD3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

## Product Details

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| Immunogen: | This SMARCD3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 27-60 amino acids from the N-terminal region of human SMARCD3. |
| Clone: | RB48016 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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| Target: | SMARCD3 |
| Alternative Name: | SMARCD3 (SMARCD3 Products) |

## Target Details

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| Background: | Plays a role in ATP dependent nucleosome remodeling by SMARCA4 containing complexes. Stimulates nuclear receptor mediated transcription. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron- specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post- mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity). |
| Molecular Weight: | 55016 |
| UniProt: | Q6STE5 |
| Pathways: | Regulation of Lipid Metabolism by PPARalpha |

## Application Details

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| Application Notes: | IF: 1:25. WB: 1:1000 |
| Restrictions: | For Research Use only |

## Handling

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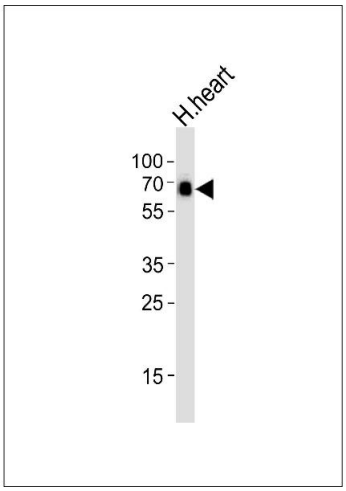
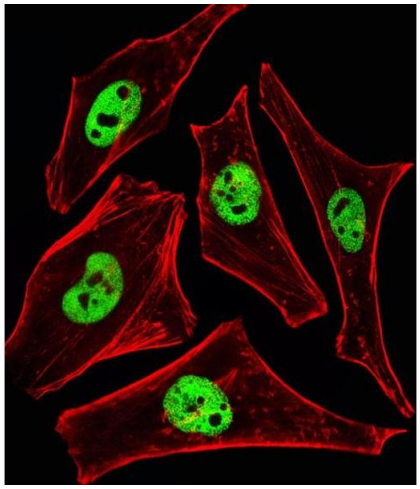
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |




## Western Blotting

**Image 1.** Western blot analysis of lysate from hun heart tissue lysate, using SRCD3 Antibody (N-term) (ABIN6242643 and ABIN6577395). (ABIN6242643 and ABIN6577395) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



## Immunofluorescence

**Image 2.** Fluorescent ige of Hela cells stained with SRCD3 Antibody (N-term) (ABIN6242643 and ABIN6577395). (ABIN6242643 and ABIN6577395) was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).