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Datasheet for ABIN1386012 **anti-SMARCD3 antibody**

Overview

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| Quantity: | 100 µL |
| Target: | SMARCD3 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SMARCD3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SMARCD3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | SMARCD3 |
| Alternative Name: | SMARCD3 (SMARCD3 Products) |
| Background: | Synonyms: 60 kDa BRG 1/Brm associated factor subunit C, 60 kDa BRG-1/Brm-associated factor subunit C, BAF60C, BRG1 associated factor 60C, BRG1-associated factor 60C, CRACD3, MGC111010, Rsc6p, Smarcd3, SMRD3_HUMAN, SWI/SNF related matrix associated actin |

Target Details

dependent regulator of chromatin subfamily d member 3, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3.

Background: SMARCD3, is a member of the SMARCD family and contains one SWIB domain.

Two isoforms, isoform 1 and isoform 2 exist due to alternative splicing events. Both isoforms are expressed in placenta, salivary gland, kidney, brain, trachea, uterus, prostate, testis, thyroid, spleen and heart, while isoform 1 is also expressed in adipose tissue and skeletal muscle.

Localizing to the nucleus, SMARCD3 is a component of the ATP-dependent chromatin remodeling complex SNF/SWI and is believed to play a role in nucleosome remodeling.

SMARCD3 also plays an important role in the regulation of muscle development. In mice, the silencing of the gene en-coding SMARCD3 leads to defects in heart morphogenesis. In addition, both isoforms of SMARCD3 directly interact with and function as coactivators for several transcription factors.

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| Gene ID: | 6604 |
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| Pathways: | Regulation of Lipid Metabolism by PPARalpha |
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Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | 1 µg/µL |
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| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
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| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Storage: | 4 °C, -20 °C |
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| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
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| Expiry Date: | 12 months |
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