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Datasheet for ABIN5010744
anti-SMARCD3 antibody (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	SMARCD3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCD3 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

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

Target Details

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

Target Details

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 encoding SMARCD3 leads to defects in heart morphogenesis. In addition, both isoforms of SMARCD3 directly interact with and function as coactivators for several transcription factors.

Gene ID: 6604

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months