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Datasheet for ABIN7171072

anti-SMARCD1 antibody (AA 7-124) (Biotin)

Overview

Quantity:	100 µg
Target:	SMARCD1
Binding Specificity:	AA 7-124
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCD1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1 protein (7-124AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMARCD1
Alternative Name:	SMARCD1 (SMARCD1 Products)
Background:	Background: Involved in chromatin remodeling. Belongs to the neural progenitors-specific

Target Details

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). Has a strong influence on vitamin D-mediated transcriptional activity from an enhancer vitamin D receptor element (VDRE). May be a link between mammalian SWI-SNF-like chromatin remodeling complexes and the vitamin D receptor (VDR) heterodimer. Mediates critical interactions between nuclear receptors and the BRG1/SMARCA4 chromatin-remodeling complex for transactivation.

Aliases: 60 kDa BRG-1/Brm-associated factor subunit A antibody, 60 kDa BRG1/Brm associated factor subunit A antibody, BAF60A antibody, BRG1 associated factor 60A antibody, BRG1-associated factor 60A antibody, Chromatin remodeling complex BAF60A subunit antibody, CRACD1 antibody, Mammalian chromatin remodeling complex BRG1 associated factor 60A antibody, Rsc6p antibody, SMARCD1 antibody, SMRD1 antibody, SMRD1_HUMAN antibody, SWI/SNF complex 60 kDa subunit A antibody, SWI/SNF complex 60 kDa subunit antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin d1 antibody, SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 antibody, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1 antibody, Swp73 like protein antibody

UniProt: [Q96GM5](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.