

Datasheet for ABIN7171084

anti-SMARCE1 antibody (AA 20-243) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SMARCE1
Binding Specificity:	AA 20-243
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCE1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 protein (20-243AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMARCE1
Alternative Name:	SMARCE1 (SMARCE1 Products)
Background:	Background: Involved in transcriptional activation and repression of select genes by chromatin

Target Details

remodeling (alteration of DNA-nucleosome topology). 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). Required for the coactivation of estrogen responsive promoters by Swi/Snf complexes and the SRC/p160 family of histone acetyltransferases (HATs). Also specifically interacts with the CoREST corepressor resulting in repression of neuronal specific gene promoters in non-neuronal cells.

Aliases: BAF57 antibody, BRG1 associated factor 57 antibody, BRG1-associated factor 57 antibody, Chromatin remodeling complex BRG1 associated factor 57 antibody, FLJ35648 antibody, SMARCE 1 antibody, SMARCE1 antibody, SMCE1_HUMAN antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin e1 antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily e member 1 antibody, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 antibody

UniProt: [Q969G3](#)

Pathways: [Chromatin Binding](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Handling

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.