Datasheet for ABIN7140297

anti-SMARCC1 antibody

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Overview

Quantity:	100 µL
Target:	SMARCC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMARCC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant human BAF155 protein fragments expressed in E.coli.
Isotype:	IgG1, IgG1 kappa
Cross-Reactivity:	Human
Purification:	Affinity purified

Target Details

Target:	SMARCC1
Alternative Name:	SMARCC1 (SMARCC1 Products)
Background:	Background: Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology).May stimulate the ATPase activity of the catalytic subunit of the complex.Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex,a chromatin-remodeling complex recruited by vitamin

Target Details

	D receptor (VDR),which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.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. Aliases: AI115498, BAF 155, BAF155, BRG 1 associated factor 155, BRG1 associated factor 155, BRG1-associated factor 155, Chromatin remodeling complex BAF155 subunit, CRACC 1, CRACC1, Mammalian chromatin remodeling complex BRG 1 associated factor 155,
UniProt:	Q92922
Pathways:	Chromatin Binding

Application Details

Application Notes:	Recommended dilution:WB:1:500-1:5000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.