

anti- SMARCE1 antibody

Product Information

Catalog No.:	FNab08015
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	1G10
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Involved in transcriptional activation and repression of select genes by chromatin 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.

Immunogen information

1

Wuhan Fine Biotech Co., Ltd.

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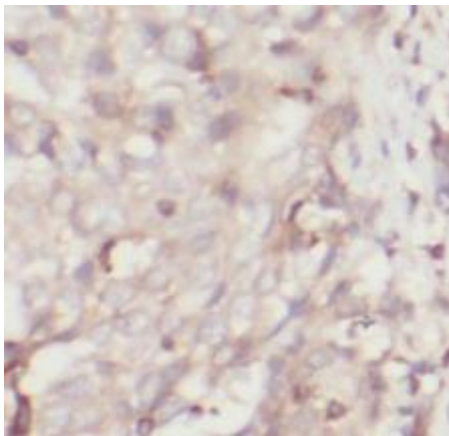
Fax: (0086)027-87800889

www.fn-test.com

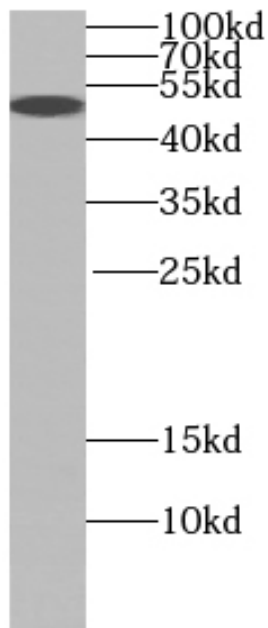
Immunogen: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
Synonyms: BAF57
Observed MW: 53 kDa
Uniprot ID : Q969G3

Application

Reactivity: Human
Tested Application: ELISA, WB, IHC, IF
Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200
Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab08015(SMARCE1 Antibody) at dilution of 1:100



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab08015(SMARCE1 Antibody) at dilution of 1:1000