

Anti-BAF53B Antibody

CATALOG NO:	A1620-100
ALTERNATIVE NAMES:	ACTL6; BAF53B; Actin-like protein 6B; 53 kDa BRG1-associated factor B; Actin-related protein Baf53b; ArpNalpha; BRG1-associated factor 53B; BAF53B
AMOUNT:	100 µl
IMMUNOGEN:	Recombinant full length protein of human BAF53B
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of BAF53B protein
SPECIES REACTIVITY:	Human, Mouse, Rat
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Component of SWI/SNF chromatin remodeling complexes that carry out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner. Belongs to the neuron-specific chromatin remodeling complex (nBAF complex), as such plays a role in remodeling mononucleosomes in an ATP-dependent fashion, and is required for postmitotic neural development and dendritic outgrowth. During neural development a switch from a stem/progenitor to a postmitotic 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 postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes.
APPLICATION:	WB; 1:500 – 1:1000 IH; 1:50 – 1:200 IF/IC; 1:50 – 1:100

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

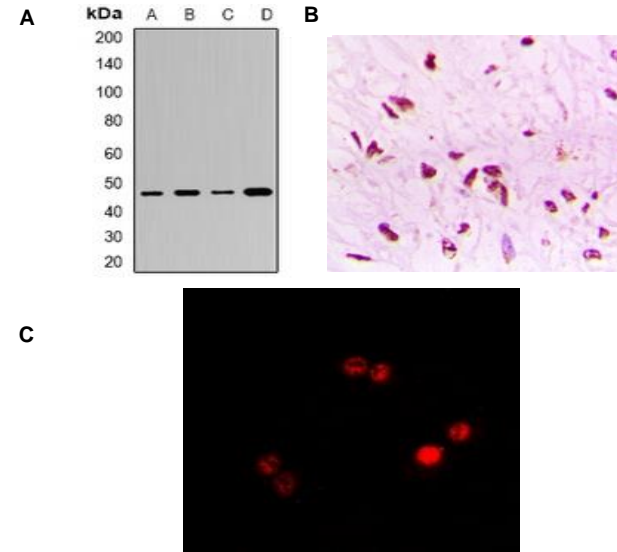


Fig. A. Western blot analysis of BAF53B expression in HL60 (A); Hela (B); HepG2 (C); mouse brain (D) whole cell lysates

Fig. B. IHC staining of BAF53B staining in human brain tissue

Fig. C. IF staining of BAF53B staining in A549 cells

RELATED PRODUCTS:

- GFAP Antibody (Cat. No. 3206)
- Vimentin Antibody (Cat. No. 3634)
- Fibronectin Antibody (Cat. No. 3630)
- FGF-2 Antibody (Cat. No. 5039)

FOR RESEARCH USE ONLY! Not to be used on humans.