

ACL6B BAF53b Antibody FITC Conjugated

Catalog No: #C01005F

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Description

Product Name	ACL6B BAF53b Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC,IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human ACL6B
Conjugates	FITC
Target Name	ACL6B BAF53b
Other Names	53 kDa BRG1 associated factor B; ACL 6B; ACL6B; Actin like 6; Actin like protein 6B; Actin like protein6B; Actin related protein; Actin related protein Baf53b; actin-like 6B; Actl 6; ACTL 6B; Actl6; ACTL6 B; ACTL6B; Arp Na; ArpN a; ArpN alpha; ArpNa; ArpNalpha; Baf 53b; ACL6B_HUMAN.
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

BAF53b is a member of a family of actin-related proteins (ARPs), which shares significant sequence identity with conventional actins. Both actins and ARPs comprise an actin fold, which forms an ATP binding cleft. BAF53b is a component of the BAF (BRG brm-associated factor) complex in mammals, which is functionally related to the SWI SNF complex in *S. cerevisiae* and *Drosophila*, and is associated with chromatin remodelling to facilitate transcriptional activation. As neural progenitors exit the cell cycle, the highly homologous BAF53a subunit of the BAF complex is replaced by BAF53b. This subunit switch is essential for the transition from neural stem cells progenitors to postmitotic neurons. BAF53b also plays a role in dendritic outgrowth, during which it is required to recruit the BAF complex and the dendritic regulator CREST to specific gene promoters. This function can not be performed by BAF53a.

Note: This product is for in vitro research use only