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ACTL6A

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF IP CHIP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:20 - 1:100

Calculated MW:47kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human ACTL6A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

f

Synonym:

Arp4; ACTL6; BAF53A; INO80K; ARPN-BETA

Catalog #:A5387

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:86

Isotype: IgG

Swiss Prot:O96019

Purity: Affinity purification

For research use only.

Background:

This gene encodes a family member of actin-related proteins (ARPs), which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a 53 kDa subunit protein of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in S. cerevisiae and Drosophila; the latter is thought to facilitate transcriptional activation of specific genes by antagonizing chromatin-mediated transcriptional repression. Together with beta-actin, it is required for maximal ATPase activity of BRG1, and for the association of the BAF complex with chromatin/matrix. Three transcript variants that encode two different protein isoforms have been described.

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