

A2220

Leader in Biomolecular Solutions for Life Science



## ACTL6A Rabbit pAb

Catalog No.: A2220

### Basic Information

**Observed MW**

50kDa

**Calculated MW**

47kDa

**Category**

Polyclonal Antibody

**Applications**

WB

**Cross-Reactivity**

Human, Mouse, Rat

### 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.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

**Gene ID**

86

**Swiss Prot**

O96019

**Immunogen**

A synthetic peptide of human ACTL6A

**Synonyms**

Arp4; ACTL6; BAF53A; INO80K; SMARCN1; ARPN-BETA; ACTL6A

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

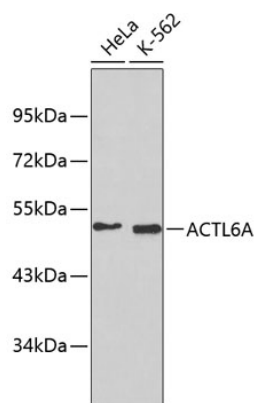
**Storage**

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using ACTL6A antibody (A2220).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.