ACTL6B Rabbit pAb

Catalog No.: A7108



Basic Information

Observed MW 47-55kDa

Calculated MW 47kDa

Category Primary antibody

Applications WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity Human, Mouse, Rat

Background

The protein encoded by this gene is a member of a family 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 subunit 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. This subunit may be involved in the regulation of genes by structural modulation of their chromatin, specifically in the brain. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:100
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID 51412

Swiss Prot 094805

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ACTL6; DEE76; BAF53B; EIEE76; IDDSSAD; SMARCN2; arpNalpha; ACTL6B

Contact

6	400-999-6126
\mathbf{X}	cn.market@abclonal.com.cn
€	www.abclonal.com.cn

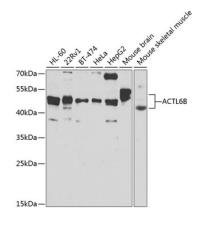
Product Information

Source Rabbit **Isotype** IgG **Purification** Affinity purification

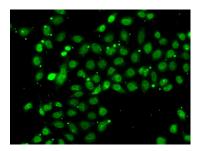
Storage

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

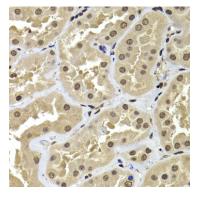
Validation Data



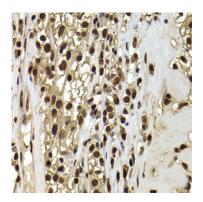
Western blot analysis of various lysates using ACTL6B Rabbit pAb (A7108) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 40s.



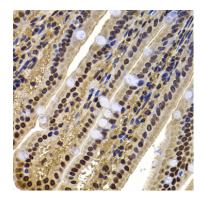
Immunofluorescence analysis of A-549 cells using ACTL6B Rabbit pAb (A7108).Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.



Immunohistochemistry analysis of paraffinembedded Human kidney using ACTL6B Rabbit pAb (A7108) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human kidney cancer using ACTL6B Rabbit pAb (A7108) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse jejunum using ACTL6B Rabbit pAb (A7108) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.