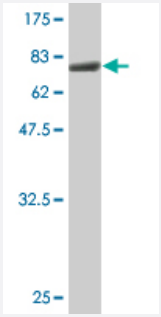
# ACTL6A monoclonal antibody (M14), clone 3E4

Catalog # H00000086-M14 Size 100 ug

## Applications




Western Blot detection against Immunogen (68.31 KDa) .

## Specification

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| **Product Description** | Mouse monoclonal antibody raised against a full-length recombinant ACTL6A. |
| **Immunogen** | ACTL6A (AAH00949, 1 a.a. ~ 387 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence** | MVVERDDGSTLMEIDGDKGKQGGPTYYIDTNALRVPRENMEAISPLKNGMVEDWDSFQAILDHTY KMHVKSEASLHPVLMSEAPWNTRAKREKLTELMFEHYNIPAFFLCKTAVLTAFANGRSTGLILDS GATHTTAIPVHDGYVLQQGIVKSPLAGDFITMQCRELFQEMNIELVPPYMIASKEAVREGSPANWK RKEKLPQVTRSWHNYMCNCVIQDFQASVLQVSDSTYDEQVAAQMPTVHYEFPNGYNCDFGAER LKIPEGLFDPSNVKGLSGNTMLGVSHVVTTSVGMCDIDIRPGLYGSVIVAGGNTLIQSFTDRLNREL SQKTPPSMRLKLIANNTTVERRFSSWIGGSILASLGTFQQMWISKQEYEEGGKQCVERKCP |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Interspecies Antigen Sequence** | Mouse (99); Rat (98) |
| **Isotype** | IgG1 Kappa |
| **Quality Control Testing** | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (68.31 KDa) . |
| **Storage Buffer** | In 1x PBS, pH 7.4 |

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| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

## Gene Info — ACTL6A

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|---|---|
| **Entrez GeneID** | 86 |
| **GeneBank Accession#** | BC000949 |
| **Protein Accession#** | AAH00949 |
| **Gene Name** | ACTL6A |
| **Gene Alias** | ACTL6, ARPN-BETA, Arp4, BAF53A, INO80K, MGC5382 |
| **Gene Description** | actin-like 6A |
| **Omim ID** | 604958 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a family member of actin-related proteins (ARPs), which share significant ami no acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which i s an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processe s, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. T his 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 l atter 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 transcri pt variants that encode two different protein isoforms have been described. [provided by RefSeq |
| **Other Designations** | BAF complex 53 kDa subunit\|BAF53\|BRG1-associated factor\|INO80 complex subunit K\|actin-rela ted protein 4\|hArpN beta |