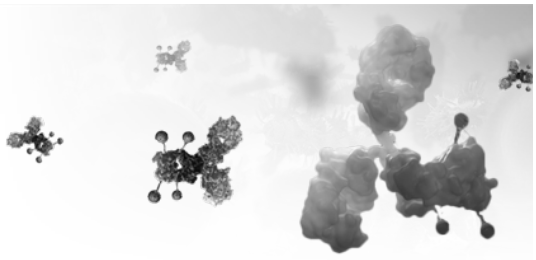

# Anti-ACTL6B polyclonal antibody (DPAB-DC2168)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | 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. |
| **Specificity** | This antibody is expected to recognize both BAF53A and BAF53B, which are almost identical. |
| **Immunogen** | A synthetic peptide corresponding to human ACTL6A/ACTL6B. The sequence is YEEGGKQCVERKCP |
| **Source/Host** | Goat |
| **Species Reactivity** | Human |
| **Purification** | Antigen affinity purification |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Cell lysate), ELISA, |
| **Format** | Liquid |
| **Concentration** | 0.5 mg/mL |

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| | |
|---|---|
| **Size** | 100 µg |
| **Buffer** | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| **Preservative** | 0.02% Sodium Azide |
| **Storage** | Store at -20°C.Aliquot to avoid repeated freezing and thawing. |

# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | ACTL6B actin-like 6B [ Homo sapiens (human) ] |
| **Official Symbol** | ACTL6B |
| **Synonyms** | ACTL6B; actin-like 6B; ACTL6; BAF53B; actin-like protein 6B; arpNalpha; hArpN alpha; actin-like 6; BRG1-associated factor 53B; actin-related protein Baf53b; 53 kDa BRG1-associated factor B; |
| **Entrez Gene ID** | 51412 |
| **Protein Refseq** | NP_057272 |
| **UniProt ID** | O94805 |
| **Chromosome Location** | 7q22 |
| **Pathway** | Prostate Cancer; |
| **Function** | structural constituent of cytoskeleton; transcription coactivator activity; |

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