

Datasheet for ABIN392594

anti-PIP5K1B antibody (N-Term)**2** Images**2** Publications[Go to Product page](#)

Overview

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|----------------------|------------------------------------------------------------------------------------|
| Quantity: | 400 µL |
| Target: | PIP5K1B |
| Binding Specificity: | AA 1-30, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PIP5K1B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | This PIP5K1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PIP5K1B. |
| Clone: | RB1729 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

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|-------------------|----------------------------------------------|
| Target: | PIP5K1B |
| Alternative Name: | PIP5K1B (PIP5K1B Products) |

Target Details

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| Background: | Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. |
| Molecular Weight: | 61036 |
| Gene ID: | 8395 |
| NCBI Accession: | NP_003549 |
| UniProt: | O14986 |
| Pathways: | PI3K-Akt Signaling , Inositol Metabolic Process , Cell-Cell Junction Organization |

Application Details

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|--------------------|-----------------------------------------|
| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

Bolomini-Vittori, Montresor, Giagulli, Staunton, Rossi, Martinello, Constantin, Laudanna: "Regulation of conformer-specific activation of the integrin LFA-1 by a chemokine-triggered Rho signaling module." in: **Nature immunology**, Vol. 10, Issue 2, pp. 185-94, (2009) ([PubMed](#)).



brain tissue

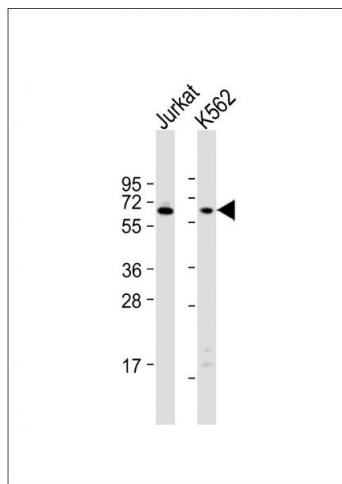


Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with PIP5K1B antibody (N-term) (ABIN392594 and ABIN2837989) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Image 2. All lanes : Anti-PIP5K1B Antibody (M1) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.