

## Rabbit anti-Human PI 4 Kinase type 2 beta Polyclonal Antibody | anti-PI4K2B antibody

PI 4 Kinase type 2 beta antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA289981 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

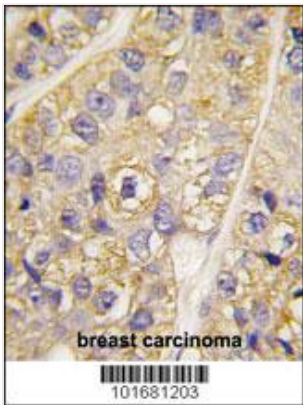
### PRODUCT SYNONYMS

PI 4 Kinase type 2 beta; Polyclonal Antibody; PI 4 Kinase type 2 beta antibody (N-term); Phosphatidylinositol 4-kinase type 2-beta; Phosphatidylinositol 4-kinase type II-beta; PI4KII-BETA; PI4K2B; anti-PI4K2B antibody

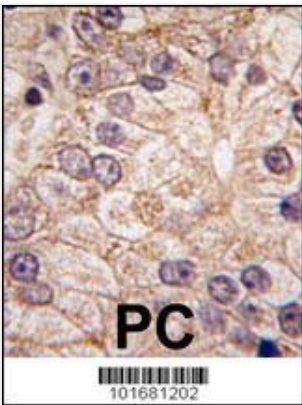
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                         |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                  |
| Reactivity                                       | Human                                                                                                                                                                                                   |
| Clonality                                        | Polyclonal                                                                                                                                                                                              |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                               |
| Specificity                                      | This PI 4 Kinase type 2 beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PI 4 Kinase type 2 beta. |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                               |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.               |
| Concentration                                    | Vial Concentration: 1.6 (varies by lot)                                                                                                                                                                 |
| Sequence Positions                               | 1-30                                                                                                                                                                                                    |
| Sequence Length                                  | 481                                                                                                                                                                                                     |
| Applicable Applications for anti-PI4K2B antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                                    |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                                       |
| Antigen Source                                   | HUMAN                                                                                                                                                                                                   |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                  |

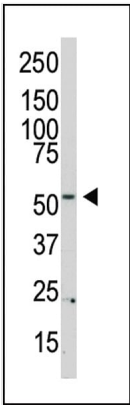
IMAGES



**IHC (Immunohistochemisry)**  
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with PI4K II beta antibody (N-term), 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.



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PI4K II beta antibody (N-term), 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.



**WB (Western Blot)**  
Western blot analysis of anti-PI4K II beta Pab in HL60 cell lysate. PI4K II beta (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PI4K2B antibody | Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein.<br>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. |
| Product Categories/Family for anti-PI4K2B antibody   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| References                                           | Wei, Y.J., et al., J. Biol. Chem. 277(48):46586-46593 (2002).<br>Mora, S., et al., J. Biol. Chem. 277(30):27494-27500 (2002).<br>Balla, A., et al., J. Biol. Chem. 277(22):20041-20050 (2002).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|             |                           |
|-------------|---------------------------|
| NCBI GI #   | <a href="#">224591401</a> |
| NCBI GeneID | <a href="#">55300</a>     |

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI Accession #                 | NP_060793.2                               |
| NCBI GenBank Nucleotide #        | NM_018323.3                               |
| UniProt Accession #              | Q8TCG2; Q9NUW2                            |
| Molecular Weight                 | 54744                                     |
| NCBI Official Full Name          | phosphatidylinositol 4-kinase type 2-beta |
| NCBI Official Synonym Full Names | phosphatidylinositol 4-kinase type 2 beta |
| NCBI Official Symbol             | PI4K2B                                    |
| NCBI Official Synonym Symbols    | PIK42B; PI4KIIB                           |
| NCBI Protein Information         | phosphatidylinositol 4-kinase type 2-beta |
| UniProt Protein Name             | Phosphatidylinositol 4-kinase type 2-beta |
| UniProt Gene Name                | PI4K2B                                    |
| UniProt Synonym Gene Names       | PI4KII-BETA                               |
| UniProt Entry Name               | P4K2B_HUMAN                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pi-4-kinase-type-2-beta-antibody-immunohistochemistry-western-blot-elisa/289981>