

## Rabbit PP5 (PP5C) Polyclonal Antibody | anti-PPP5C antibody

PP5 (PP5C) Antibody (C-term)

|                               |                       |                                                               |                                                                  |
|-------------------------------|-----------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA284645</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Mouse, Rat)</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

PP5 (PP5C); Polyclonal Antibody; PP5 (PP5C) Antibody (C-term); Serine/threonine-protein phosphatase 5; PP5; Protein phosphatase T; PP-T; PPT; PPP5C; PPP5; anti-PPP5C antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human (Predicted Reactivity: Mouse, Rat)                                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This PP5 (PP5C) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 445-475 amino acids from the C-terminal region of human PP5 (PP5C).          |
| 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: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 445-475                                                                                                                                                                                   |
| Sequence Length                                 | 499                                                                                                                                                                                       |
| Applicable Applications for anti-PPP5C 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 (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



#### WB (Western Blot)

Western blot analysis of hPPP5C-N61 in A375, A2058 cell line lysates (35ug/lane). PPP5C (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PPP5C antibody | PPP5C belongs to the PPP phosphatase family, PP-T subfamily, and may play a role in the regulation of RNA biogenesis and/or mitosis. In vitro,PPP5C dephosphorylates serine residues of skeletal muscle phosphorylase and histone H1.                                                                                              |
| References                                          | Yang, J., et al., EMBO J. 24(1):1-10 (2005).<br>Zhou, G., et al., J. Biol. Chem. 279(45):46595-46605 (2004).<br>Huang, S., et al., J. Biol. Chem. 279(35):36490-36496 (2004).<br>Swingle, M.R., et al., J. Biol. Chem. 279(32):33992-33999 (2004).<br>Wechsler, T., et al., Proc. Natl. Acad. Sci. U.S.A. 101(5):1247-1252 (2004). |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 5453958                                          |
| NCBI GeneID                      | 5536                                             |
| NCBI Accession #                 | NP_006238.1                                      |
| NCBI GenBank Nucleotide #        | NM_006247.3                                      |
| UniProt Accession #              | P53041; Q16722; Q53XV2                           |
| Molecular Weight                 | 56879                                            |
| NCBI Official Full Name          | serine/threonine-protein phosphatase 5 isoform 1 |
| NCBI Official Synonym Full Names | protein phosphatase 5, catalytic subunit         |
| NCBI Official Symbol             | PPP5C                                            |
| NCBI Official Synonym Symbols    | PP5; PPT; PPP5                                   |
| NCBI Protein Information         | serine/threonine-protein phosphatase 5           |
| UniProt Protein Name             | Serine/threonine-protein phosphatase 5           |
| UniProt Gene Name                | PPP5C                                            |
| UniProt Synonym Gene Names       | PPP5; PP5; PP-T; PPT                             |
| UniProt Entry Name               | PPP5_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/pp5-pp5c-antibody-immunohistochemistry-western-blot-elisa/284645>