

**PAP2D Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16291c**

**Specification**

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**PAP2D Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q32ZL2](#)

**PAP2D Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 163404

**Other Names**

Lipid phosphate phosphatase-related protein type 5, 313-, Phosphatidic acid phosphatase 2d, Plasticity-related gene 5 protein, PRG-5, LPPR5, PAP2D

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PAP2D Antibody (Center) Blocking Peptide - Protein Information**

**Name** PLPPR5 ([HGNC:31703](#))

**Function**

Induces filopodia formation and promotes neurite growth in a CDC42-independent manner; impedes neurite growth inhibitory-mediated axonal retraction.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q8BJ52}; Multi-pass membrane protein

**Tissue Location**

Isoform 1 is expressed in brain, lung, kidney and colon. Isoform 2 is expressed in placenta, skeletal muscle and kidney

**PAP2D Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PAP2D Antibody (Center) Blocking Peptide - Images****PAP2D Antibody (Center) Blocking Peptide - Background**

PAP2D is a type 2 member of the phosphatidic acid phosphatase (PAP) family. All type 2 members of this protein family contain 6 transmembrane regions, and a consensus N-glycosylation site. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].

**PAP2D Antibody (Center) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Broggin, T., et al. Mol. Biol. Cell 21(4):521-537(2010) Sun, L., et al. Mol. Cell. Biochem. 272 (1-2), 91-96 (2005) :