

**PBP (PPBP) Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP7556b

**Specification**

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**PBP (PPBP) Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P02775](#)

**PBP (PPBP) Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 5473

**Other Names**

Platelet basic protein, PBP, C-X-C motif chemokine 7, Leukocyte-derived growth factor, LDGF, Macrophage-derived growth factor, MDGF, Small-inducible cytokine B7, Connective tissue-activating peptide III, CTAP-III, LA-PF4, Low-affinity platelet factor IV, TC-2, Connective tissue-activating peptide III(1-81), CTAP-III(1-81), Beta-thromboglobulin, Beta-TG, Neutrophil-activating peptide 2(74), NAP-2(74), Neutrophil-activating peptide 2(73), NAP-2(73), Neutrophil-activating peptide 2, NAP-2, TC-1, Neutrophil-activating peptide 2(1-66), NAP-2(1-66), Neutrophil-activating peptide 2(1-63), NAP-2(1-63), PPBP, CTAP3, CXCL7, SCYB7, TGB1, THBGB1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7556b](/product/products/AP7556b) was selected from the C-term region of human PPBP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**PBP (PPBP) Antibody (C-term) Blocking peptide - Protein Information**

**Name** PPBP

**Synonyms** CTAP3, CXCL7, SCYB7, TGB1, THBGB1

**Function**

LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most

potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.

**Cellular Location**  
Secreted.

### **PBP (PPBP) Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **PBP (PPBP) Antibody (C-term) Blocking peptide - Images**

### **PBP (PPBP) Antibody (C-term) Blocking peptide - Background**

PPBP is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells.

### **PBP (PPBP) Antibody (C-term) Blocking peptide - References**

Majumdar S.,J. Biol. Chem. 266:5785-5789(1991)Zhang C.,Blood 98:610-617(2001)Aivado,M.,Proc. Natl. Acad. Sci. U.S.A. 104 (4), 1307-1312 (2007)