

**PBP (PPBP) Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7556b**

**Specification**

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

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P02775</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>13894</b>
Antigen Region	<b>97-128</b>

**PBP (PPBP) Antibody (C-term) - 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**

This PBP (PPBP) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-128 amino acids from the C-terminal region of human PBP (PPBP).

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PBP (PPBP) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PBP (PPBP) Antibody (C-term) - 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**

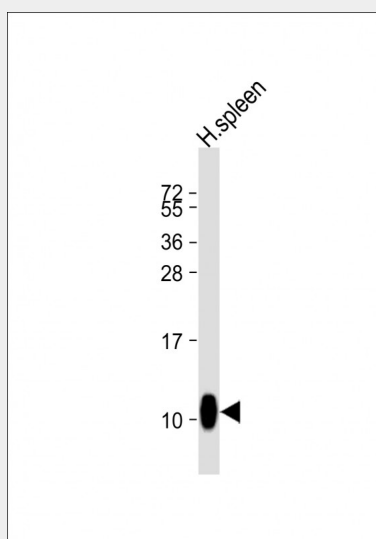
Secreted.

**PBP (PPBP) Antibody (C-term) - Protocols**

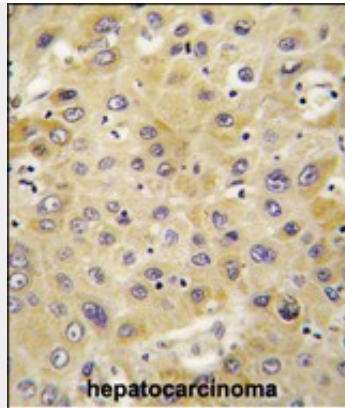
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PBP (PPBP) Antibody (C-term) - Images**



Anti-PPBP Antibody (C-term) at 1:1000 dilution + human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFD/MBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PPBP antibody (C-term) (Cat.#AP7556b), 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.

#### **PPBP (PPBP) Antibody (C-term) - 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.

#### **PPBP (PPBP) Antibody (C-term) - 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)