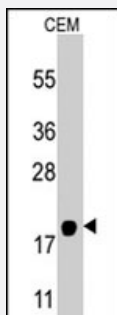


# PPBP polyclonal antibody

Catalog # PAB2955

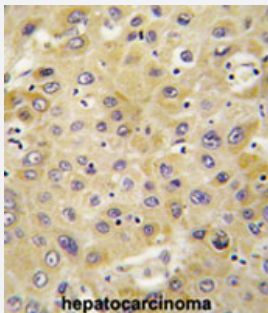
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of PPBP polyclonal antibody (Cat # PAB2955) in CEM cell line lysates (35 ug/lane). PPBP (arrow) was detected using the purified polyclonal antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with PPBP polyclonal antibody (Cat # PAB2955), 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.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PPBP.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to amino acids 99-128 at C-terminus of human PPBP.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Ammonium sulfate precipitation

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — PPBP

<b>Entrez GeneID</b>	<a href="#">5473</a>
<b>Protein Accession#</b>	<a href="#">NP_002695;P02775</a>
<b>Gene Name</b>	PPBP
<b>Gene Alias</b>	B-TG1, Beta-TG, CTAP-III, CTAP3, CTAPIII, CXCL7, LA-PF4, LDGF, MDGF, NAP-2, PBP, SCY B7, TC1, TC2, TGB, TGB1, THBGB, THBGB1
<b>Gene Description</b>	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
<b>Omim ID</b>	<a href="#">121010</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	The protein encoded by this gene 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. [provided by RefSeq]

## Other Designations

CXC chemokine ligand 7|beta-thromboglobulin|connective tissue-activating peptide III|leukocyte-derived growth factor|low-affinity platelet factor IV|macrophage-derived growth factor|neutrophil-activating peptide 2|neutrophil-activating peptide-2|platelet

## Publication Reference

- [Serum proteome profiling detects myelodysplastic syndromes and identifies CXC chemokine ligands 4 and 7 as markers for advanced disease.](#)

Aivado M, Spentzos D, Germing U, Alterovitz G, Meng XY, Grall F, Giagounidis AA, Klement G, Steidl U, Otu HH, Czibere A, Prall WC, Iking-Konert C, Shayne M, Ramoni MF, Gattermann N, Haas R, Mitsiades CS, Fung ET, Libermann TA.

PNAS 2007 Jan; 104(4):1307.

Application: WB, Human, Serum from patients with non-Myelodysplastic syndromes cytopenia

- [Localization of distal regulatory domains in the megakaryocyte-specific platelet basic protein/platelet factor 4 gene locus.](#)

Zhang C, Thornton MA, Kowalska MA, Sachis BS, Feldman M, Poncz M, McKenzie SE, Reilly MP.

Blood 2001 Aug; 98(3):610.

Application: IHC, WB-Ce, Human, Mouse, Platelets, Spleens

- [Characterization of the human beta-thromboglobulin gene. Comparison with the gene for platelet factor 4.](#)

Majumdar S, Gonder D, Koutsis B, Poncz M.

The Journal of Biological Chemistry 1991 Mar; 266(9):5785.

## Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)