10320 Camino Santa Fe, Suite G
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PPBP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7556a

Specification

PPBP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P02775
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13894**
Antigen Region	**23-54**

PPBP Antibody (N-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 PPBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 23-54 amino acids from the N-terminal region of human PPBP.

Dilution
WB~~1:1000

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

PPBP Antibody (N-term) - Protein Information

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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.

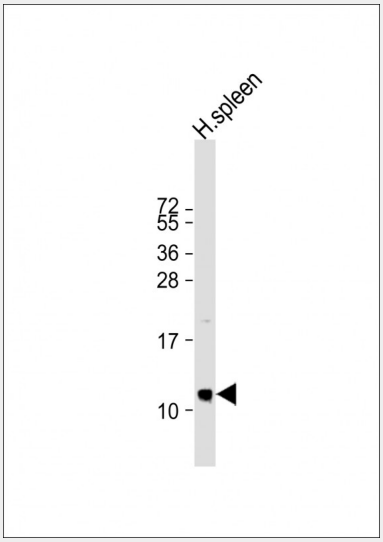
Cellular Location
Secreted.

PPBP Antibody (N-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 Cytomety
- Cell Culture

PPBP Antibody (N-term) - Images



Anti-PPBP Antibody (N-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% NFDM/TBST.

PPBP Antibody (N-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 sythesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells.

PPBP Antibody (N-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)