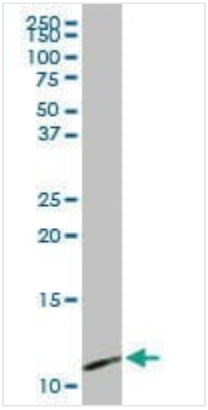
PPBP Antibody – Rabbit Polyclonal

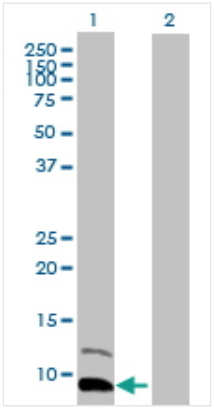
PRODUCT OVERVIEW

Product Name	PPBP, Polyclonal Antibody
Full Product Name	PPBP (Platelet Basic Protein, PBP, C-X-C Motif Chemokine 7, Leukocyte-derived Growth Factor, LDGF, Macrophage-derived Growth Factor, MDGF, S CTAP3, CXCL7, SCYB7, TGB1, THBGB1) (FITC)
Product Gene Name	anti-PPBP antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PPBP.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. C sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	13,894 Da
OMIM	121010
3D Structure	ModBase 3D Structure for P02775
Immunogen	Full length human PPBP, aa1-128 (NP_002695.1).
Immunogen Sequence	MSLRLDTTPSCNSARPLHALQVLLLLSLLLTALASSTKGQTKRNLAKGKEESLDSDLYAELRCMCIKTTSGIHPKNIQSLEVIGKGTHCNQVEVIATLKDGRK
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-PPBP antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-PPBP antibody	Western Blot (WB)
Application Notes for anti-PPBP antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PPBP antibody	PPBP, also known as chemokine (C-X-C motif) ligand 7 (CXCL7), is a platelet-derived growth factor that belongs to the alpha-chemokine family, It is a amounts from platelets following their activation. It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metab activator. Purified by using conventional chromatograph.

Other Notes	Small volumes of anti-PPBP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPBP purchase	MBS6390277 is an antibody targeting PPBP. Also known as PPBP (Platelet Basic Protein, PBP, C-X-C Motif Chemokine 7, Leukocyte-derived Growth Growth Factor, MDGF, Small-inducible Cytokine B7, CTAP3, CXCL7, SCYB7, TGB1, THBGB1) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PPBP antibody
PPBP rabbit polyclonal antibody. Western Blot analysis of PPBP expression in human spleen.



Western Blot (WB) of anti-PPBP antibody
Western Blot analysis of PPBP expression in transfected 293T cell line by PPBP polyclonal antibody. Lane 1: PPBP transfected lysate (13.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPBP. It may not necessarily be applicable to this product.

NCBI GI #	4505981
NCBI GeneID	5473
NCBI Accession #	NP_002695.1
UniProt Primary Accession #	P02775
UniProt Secondary Accession #	Q6IBJ8; B2R5F3
UniProt Related Accession #	P02775; AAB46877
GenBank Nucleotide #	NM_002704
NCBI Official Full Name	platelet basic protein preproprotein
NCBI Official Synonym Full Names	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
NCBI Official Symbol	PPBP
NCBI Official Synonym Symbols	PBP; TC1; TC2; TGB; LDGF; MDGF; TGB1; B-TG1; CTAP3; CXCL7; NAP-2; SCYB7; THBGB; LA-PF4; THBGB1; Beta-TG; CTAPIII; CTAP-III
UniProt Protein Name	Platelet basic protein
UniProt Synonym Protein Names	C-X-C motif chemokine 7; Leukocyte-derived growth factor; LDGF; Macrophage-derived growth factor; MDGF; Small-inducible cytokine B7Cleaved into the following 10 chains:Connective tissue-activating peptide III; CTAP-III; Alternative name(s):; LA-PF4; Low-affinity platelet factor IV
Protein Family	Platelet basic protein
UniProt Gene Name	PPBP
UniProt Synonym Gene Names	CTAP3; CXCL7; SCYB7; TGB1; THBGB1; PBP; LDGF; MDGF; CTAP-III; CTAP-III(1-81); Beta-TG; NAP-2(74); NAP-2(73); NAP-2; NAP-2(1-66); NAP-2(1-63)
UniProt Entry Name	CXCL7_HUMAN

NCBI Protein Information	platelet basic protein; C-X-C motif chemokine 7; 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-activat
NCBI Summary for PPBP	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. The protein also is an antimicrobial protein with bactericidal and antifungal activity. [provided by RefSeq, Nov 2014]
UniProt Comments for PPBP	PPBP: 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. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Chemokine; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q12-q13 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; chemokine activity; CXCR chemokine receptor binding; glucose transmembrane transporter activity Biological Process: platelet activation; positive regulation of leukocyte chemotaxis; response to lipopolysaccharide; glucose transport; leukocyte migration during inflammatory response; regulation of cell proliferation; G-protein coupled receptor protein signaling pathway; platelet degranulation; positive regulation of cell division; defense response to bacterium; immune response; inflammatory response; blood coagulation
Research Articles on PPBP	**1.** The antimicrobial thrombocidin peptides are found in human blood platelets, are deletion products of CXC chemokines and have antibacterial and antifungal activity.
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