PPBP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPBP, Polyclonal Antibody
Full Product Name	PPBP Conjugated Antibody
Product Gene Name	anti-PPBP antibody
Product Synonym Names	PBP; TC1; TC2; TGB; LDGF; MDGF; TGB1; B-TG1; CTAP3; CXCL7; NAP-2; SCYB7; THBGB; LA-PF4; SCAR10; THBGB1; Beta-TG; CTAPIII; CTAP-III
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total PPBP antibody.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	13,894 Da
OMIM	121010
3D Structure	ModBase 3D Structure for P02775
Immunogen	Recombinant protein of human PPBP.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-PPBP antibody	Most Applications
Application Notes for anti-PPBP antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-PPBP antibody	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, May 2010]
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 necessary, briefly centrifuge the vial on a 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	MBS9448564 is an antibody targeting PPBP. Also known as PPBP Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	129874
NCBI GeneID	5473
NCBI Accession #	P02775.3
UniProt Primary Accession #	P02775
UniProt Secondary Accession #	Q6IBJ8; B2R5F3
UniProt Related Accession #	P02775; AAB46877
NCBI Official Full Name	Platelet basic protein
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; thrombocidin 1; thrombocidin 2; beta-thromboglobulin; CXC chemokine ligand 7; C-X-C motif chemokine 7; thromboglobulin, beta-1; small inducible cytokine B7; small-inducible cytokine B7; leukocyte-derived growth factor; low-affinity
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 level of beta-thromboglobulin was found significantly higher in female patients with rheumatoid arthritis.

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