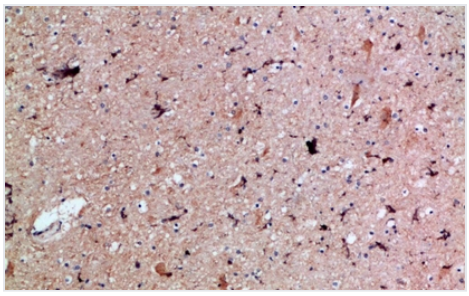
PBP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PBP, Polyclonal Antibody
Full Product Name	PBP Polyclonal Antibody
Product Gene Name	anti-PBP antibody
Product Synonym 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) [Cleaved into: 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))]
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	13,894 Da
OMIM	M54995 mRNA
3D Structure	ModBase 3D Structure for P02775
Immunogen	Synthetic peptide from human protein
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PBP antibody	Immunohistochemistry (IHC) Paraffin, ELISA (EIA)
Application Notes for anti-PBP antibody	IHC: 1:50-200 ELISA: 1:10000-20000
Related Product Information for anti-PBP antibody	PPBP (Pro-Platelet Basic Protein) is a Protein Coding gene. Diseases associated with PPBP include Erythromelalgia and Colloid Adenoma. Among its related pathways are GPCR Pathway and Peptide ligand-binding receptors. GO annotations related to this gene include growth factor activity and glucose transmembrane transporter activity. An important paralog of this gene is CXCL1. 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.
Other Notes	Small volumes of anti-PBP 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 PBP purchase	MBS2549634 is an antibody targeting PBP. Also known as PBP Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-PBP antibody
Immunohistochemistry of paraffin-embedded Human brain tissue using PBP Polyclonal Antibody at dilution of 1:200.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PBP. 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
GenBank Nucleotide #	NM_002704.3
NCBI Official Full Name	platelet basic protein preproprotein
NCBI Official Synonym Full Names	pro-platelet basic protein
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
Protein Family	Beta-lactam-inducible penicillin-binding 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)
NCBI Protein Information	platelet basic protein
NCBI Summary for PBP	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 PBP	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.
Research Articles on PBP	**1.** These results suggest that aberrant CXCL7 expression in peripheral blood cells is induced by renal cell carcinoma cells and may serve as a novel biomarker in the diagnosis of renal cell carcinoma .
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