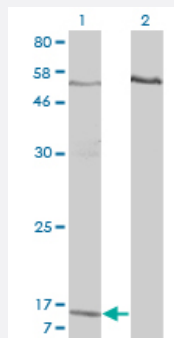


PPBP monoclonal antibody (M01), clone 3B9

Catalog # H00005473-M01

Size 100 ug

Applications

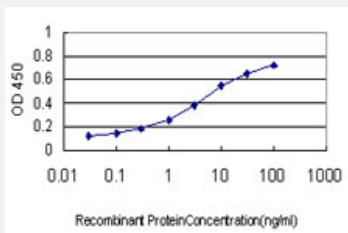


Western Blot (Transfected lysate)

Western Blot analysis of PPBP expression in transfected 293T cell line by PPBP monoclonal antibody (M01), clone 3B9.

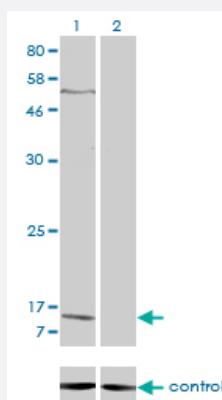
Lane 1: PPBP transfected lysate(13.9 KDa).

Lane 2: Non-transfected lysate.



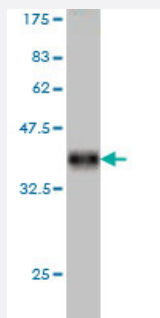
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPBP is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of PPBP over-expressed 293 cell line, cotransfected with PPBP Validated Chimera RNAi (Cat # H00005473-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PPBP monoclonal antibody (M01), clone 3B9 (Cat # H00005473-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (35.75 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PPBP.
Immunogen	PPBP (AAH28217, 37 a.a. ~ 128 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TKGQTKRNLAKGKEESLSDLYAELRCMCIKTTSGIHPKNIQSLEVIGKGTHCNQVEVIATLKDGRKI CLDPDAPRIKKIVQKKLAGDESAD
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.75 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PPBP expression in transfected 293T cell line by PPBP monoclonal antibody (M01), clone 3B9.

Lane 1: PPBP transfected lysate(13.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPBP is approximately 0.03ng/ml as a capture antibody.

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- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of PPBP over-expressed 293 cell line, cotransfected with PPBP Validated Chimera RNAi (Cat # H00005473-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PPBP monoclonal antibody (M01), clone 3B9 (Cat # H00005473-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — PPBP

Entrez GeneID [5473](#)

GeneBank Accession# [BC028217](#)

Protein Accession# [AAH28217](#)

Gene Name PPBP

Gene Alias B-TG1, Beta-TG, CTAP-III, CTAP3, CTAPIII, CXCL7, LA-PF4, LDGF, MDGF, NAP-2, PBP, SCY B7, TC1, TC2, TGB, TGB1, THBGB, THBGB1

Gene Description pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)

Omim ID [121010](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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

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](#)