

For Research Use Only

# CXCL7/PPBP Recombinant monoclonal antibody

Catalog Number:86907-3-RR



## Basic Information

<b>Catalog Number:</b> 86907-3-RR	<b>GenBank Accession Number:</b> NM_023785.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57349	<b>CloneNo.:</b> 251068A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9EQI5	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> pro-platelet basic protein	
<b>Immunogen Catalog Number:</b> EG2806	<b>Calculated MW:</b> 12 kDa	
	<b>Observed MW:</b> 12 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse spleen tissue, mouse serum
<b>Species Specificity:</b> mouse	

## Background Information

PPBP, also named as CXCL7, NAP2, or  $\beta$ -Thromboglobulin, 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

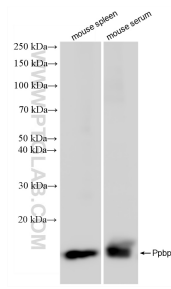
For technical support and original validation data for this product please contact:

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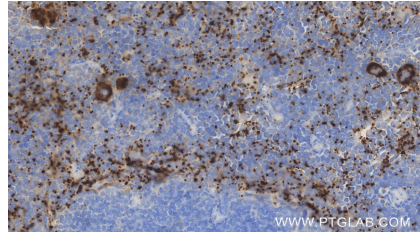
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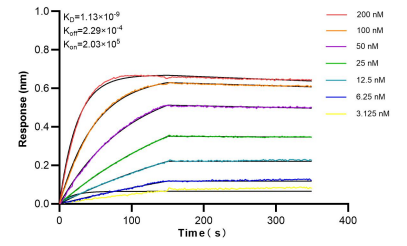
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86907-3-RR (Ppbp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86907-3-RR (CXCL7/PPBP antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 86907-3-RR against Mouse CXCL7/PPBP were performed. The affinity constant is 1.13 nM.