

## PBP polyclonal antibody

Catalog: BS91031

Host: Rabbit

Reactivity: Human, Mouse, Rat, zebrafish

### BackGround:

Members of the  $\alpha$ -chemokine subfamily of inducible, secreted, pro-inflammatory cytokines contain a similar motif, in which the first two cysteine residues are separated by a single residue (Cys-X-Cys), and are also chemotactic for neutrophils. The platelet basic protein (PBP), a member of the  $\alpha$ (Ipha)-chemokine family, resides in the  $\alpha$ (Ipha)-granules of platelets and is released upon their activation. Proteolytic cleavage of the amino terminus of PBP leads to the generation of several peptides, which include mature PBP, connective tissue-activating peptide III (CTAP III, also designated low affinity platelet factor IV (LA-PF4)), b-thromboglobulin (b-TG), and neutrophil-activating peptide 2 (NAP-2). PBP and its N-truncated derivatives mediate inflammation and wound healing. Specifically, NAP-2 activates chemotaxis and degranulation in neutrophils during inflammation. The gene encoding human PBP maps to chromosome 4q12-q13.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

21 kDa

### Swiss-Prot:

P30086(Human) P70296(Mouse) P31044(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

ICC:1:50-1:200

IHC:1:50-1:200

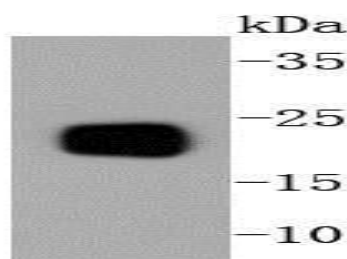
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

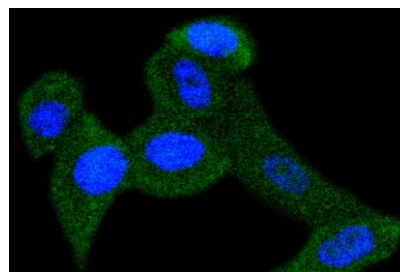
### Specificity:

PBP polyclonal antibody detects endogenous levels of PBP protein.

### DATA:



Western blot analysis of PBP on mouse brain lysates using anti-PBP antibody at 1/1,000 dilution.



ICC staining PBP in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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