# PDGFRβ (phospho Y740) polyclonal antibody

Catalog: BS94003 Host: Rabbit Reactivity: Mouse, Rat

## BackGround:

Platelet Derived Growth Factor (PDGF) is a mitogen for mesenchyme- and glia-derived cells. PDGF consists of two chains, A and B, which dimerize to form functionally distinct isoforms, PDGF-AA, PDGF-AB, and PDGF-BB. These three isoforms bind with different affinities to two receptor types, a and b, which are endowed with protein tyrosine kinase domains and undergo either homo- or heterodimerization as a consequence of ligand binding. Ligand stimulation of PDGFR-b leads to autophosphorylation at Tyr-857, which is the major autophosphorylation site, and Tyr-751, which is the major in vitro phosphorylation site. Autophosphorylation of Tyr-751, which lies in the kinase insert region, is required for binding of phosphatidylinositol-3 kinase to the receptor. These auto-phosphorylation events largely contribute to signal transduction through the PDGF receptor.

## Product:

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

## Molecular Weight:

190 kDa

## Swiss-Prot:

P05622(Mouse) Q05030(Rat)

## Purification&Purity:

ProA affinity purified

## Applications:

WB:1:1,000

ICC:1:50-1:200

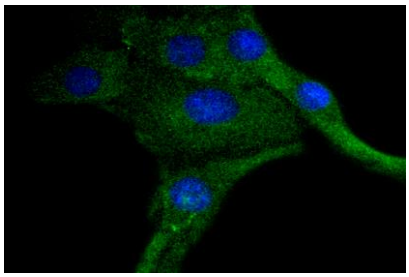
## Storage&Stability:

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

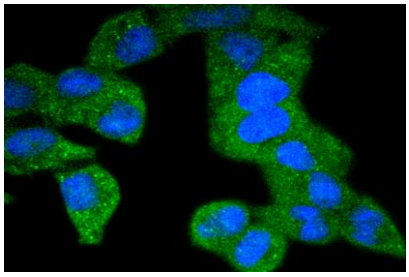
## Specificity:

PDGFRβ (phospho Y740) polyclonal antibody detects endogenous levels of PDGFRβ protein only when phosphorylated at Y740.

## DATA:



ICC staining PDGF Receptor beta(phospho Y740) in C2C12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PDGF Receptor beta(phospho Y740) in Hela 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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