

## PDGFR- $\beta$ (K745) polyclonal antibody

Catalog: BS3617

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Platelet-derived growth factor receptors exhibit tyrosine-protein kinase activity and have been implicated in the control of cell proliferation, survival and migration. PDGF receptors, PDGFR- $\alpha$  and PDGFR- $\beta$ , have 5 extracellular immunoglobulin-like domains and an intracellular tyrosine kinase domain. Upon binding a PDGF, the receptors form homo- and heterodimers. Dimerization of the receptors results in phosphorylation in the complex. More than 10 different SH2-domain-containing molecules have been shown to bind to different autophosphorylation sites in the PDGF- $\alpha$  and  $\beta$  receptors. PDGF  $\alpha$  receptors are expressed in oligodendrocyte progenitor cells and PDGF  $\beta$  receptors are expressed on neurons.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 124, 190 kDa

### Swiss-Prot:

P09619

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

IF: 1:50~1:200

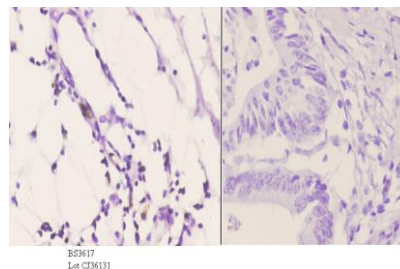
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

PDGFR- $\beta$  (K745) polyclonal antibody detects endogenous levels of PDGFR- $\beta$  protein.

### DATA:



Immunohistochemistry (IHC) analyzes of PDGFR- $\beta$  (K745) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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

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