

bs-3320R**[Primary Antibody]****Bioss**
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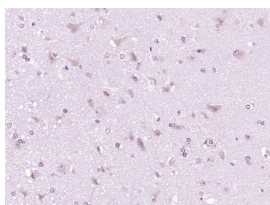
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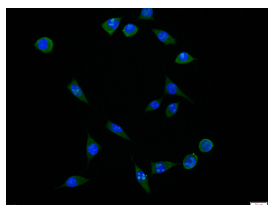
400-901-9800

**phospho-PDGFRα (Tyr849) / PDGFRβ (Tyr857)
Rabbit pAb****— DATASHEET —**

| | | |
|--|---|---|
| Host: Rabbit Clonality: Polyclonal GeneID: 5156 Target: PDGFRA (Tyr849) / PDGFRB (Tyr857) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PDGF Receptor alpha around the phosphorylation site of Tyr849: SN(p-Y)VS. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. [provided by RefSeq, Mar 2012]. | Isotype: IgG SWISS: P16234 | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Chicken, Dog, Horse) Predicted MW.: 117 kDa Subcellular Location: Cell membrane |
|--|---|---|

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PGFRA) Polyclonal Antibody, Unconjugated (bs-3320R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-PDGFRα (Tyr849) / PDGFRβ (Tyr857)) polyclonal Antibody, Unconjugated (bs-3320R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes; DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=8.8]** Wang Haibo. et al. PDZK1 confers sensitivity to sunitinib in clear cell renal cell carcinoma by suppressing the PDGFR-β pathway. BRIT J CANCER. 2024 May;;1-14 IHC ;Mouse,Human. 38822145
- **[IF=2.886]** Yang Q et al. Anlotinib Suppresses Colorectal Cancer Proliferation and Angiogenesis via Inhibition of AKT/ERK Signaling Cascade. Cancer Manag Res . 2020 Jun 24;12:4937-4948. WB ;Mouse. 32606981

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.