

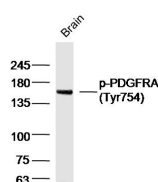
**bs-20280R****[ Primary Antibody ]****phospho-PDGFRα (Tyr754) Rabbit pAb****Bioss**  
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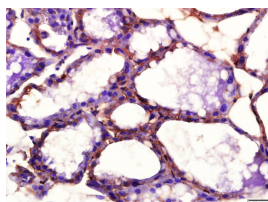
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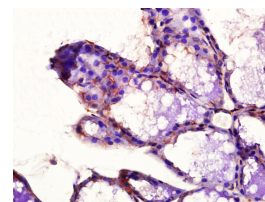
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5156**SWISS:** P16234**Target:** PDGFRA (Tyr754)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human PDGF Receptor alpha around the phosphorylation site of Tyr754: SK(p-Y)SD.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.  
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].**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat  
(predicted: Sheep, Cow, Dog, Horse)**Predicted MW.:** 117 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

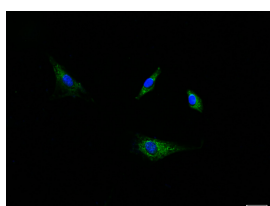
Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-Phospho-PDGFRα(Tyr754) (bs-20280R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 117 kD Observed band size: 150 kD



Paraformaldehyde-fixed, paraffin embedded (Rat mammary gland); 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 (Phosphorylated platelet-derived-growth-factor receptor alpha; p-PDGFRα) Polyclonal Antibody, Unconjugated (bs-20280R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat mammary gland); 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 (Phosphorylated platelet-derived-growth-factor receptor alpha; p-PDGFRα) Polyclonal Antibody, Unconjugated (bs-20280R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



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

Tissue/cell:A549 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-PDGFR $\alpha$  (Tyr754)) polyclonal Antibody, Unconjugated (bs-20280R) 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.