# Data Sheet (Cat.No.TMAC-03121)

TargetMol

## Anti-Phospho-PDGF R alpha/PDGFRA (Tyr849) Polyclonal Antibody

### Product Details

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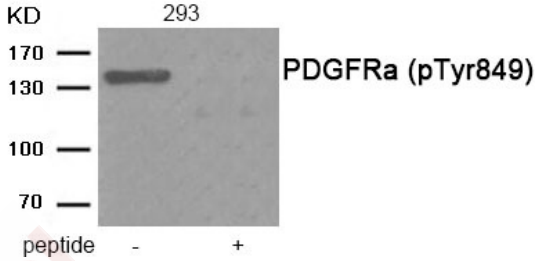
|---|---|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 140 kDa. |
| Purification: | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. |

### Applications

Verified Activity: 1. Western blot analysis of extracts from 293 tissue using PDGFRa (Phospho-Tyr849) antibody TMAC-03121. The lane on the right is treated with the antigen-specific peptide.

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| Application: | WB |
| Recommended | WB: 1:500-1000 |

### Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

### Antigen Details

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|---|---|
| Immunogen: | Peptide sequence around phosphorylation site of Tyrosine849(S-N-Y(p)-V-S) derived from Human PDGFRa |
| Antigen Species: | human |
| Uniprot ID: | P16234 |
| Synonyms: | p-PDGF R alpha/PDGFRA (Y849);PDGF R alpha/PDGFRA (p-Y849);PDGF R alpha/PDGFRA (p-Tyr849);p-PDGF R alpha/PDGFRA (Tyr849) |

### Research Background

Tyrosine-protein kinase that acts as a cell-surface receptor for PDGFA, PDGFB and PDGFC and plays an essential role in the regulation of embryonic development, cell proliferation, survival and chemotaxis. Depending on the context, promotes or inhibits cell proliferation and cell migration. Plays an important role in the differentiation of bone marrow-derived mesenchymal stem cells. Required for normal skeleton development and cephalic closure during embryonic development. Required for normal development of the mucosa lining the gastrointestinal tract, and for

recruitment of mesenchymal cells and normal development of intestinal villi.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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