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# Anti-PDGFRA Antibody Picoband® Biotin Conjugated

**Catalog Number:** A00366-Biotin

## About PDGFRA

PDGFRA(Platelet-derived growth factor receptor, alpha), also called PDGFR2, encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. The PDGFA gene is mapped on 4q12. The PDGFRA-FIP1L1 gene is a constitutively activated tyrosine kinase that transforms hematopoietic cells and is a therapeutic target of imatinib. The PDGFRA gene contains 23 exons spanning about 65 kb. Using the human PDGFRA promoter linked to a luciferase reporter, Joosten et al. showed that PAX1 acts as a transcriptional activator of the PDGFRA gene in differentiated human embryonal carcinoma cells. PDGFRA is responsible for mediating cellular contraction of multiple growth factors: TGFB1 and members of the PDGF family. Lei et al. noted that in the rabbit model of the disease, PDGFRA is dramatically more capable of promoting PVR than is the closely related PDGFRB. PDGFRA is a critical receptor required for human CMV infection, and thus a target for novel antiviral therapies.

## Overview

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| Product Name | Anti-PDGFRA Antibody Picoband® Biotin Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | WB, IHC, ELISA |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| Storage Instructions | At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P16234 |

## Technical Details

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| Immunogen | E.coli-derived human PDGFRA recombinant protein (Position: Q24-E906). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Biotin |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users. |

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| | Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.<br>ELISA, Optimal dilutions should be determined by end users. |

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Anti-PDGFRA Antibody - Biotin

For Research Use Only. Not for use in diagnostic procedures.