

Anti-PTN Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A01368-2-Fluoro594

About PTN

Pleiotrophin (PTN), also known as heparin-binding brain mitogen (HBBM) or heparin-binding growth factor 8 (HBGF-8) or neurite growth-promoting factor 1 (NEGF1) or heparin affinity regulatory peptide (HARP) or heparin binding growth associated molecule (HB-GAM), is a protein that in humans is encoded by the PTN gene. PTN is the first member of a family of developmentally regulated cytokines. The PTN gene is mapped to 7q33-q34. A mutant PTN that contained only the first N-terminal 40 amino acids was a dominant negative. Pleiotrophin is expressed in the central and peripheral nervous system and also in several non-neural tissues, notably lung, kidney, gut and bone. Pleiotrophin binds to cell-surface nucleolin as a low affinity receptor. This binding can inhibit HIV infection.

Overview

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| Product Name | Anti-PTN Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P21246 |

Technical Details

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| Immunogen | E.coli-derived human PTN recombinant protein (Position: D61-K148). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-PTN Antibody - Fluoro594

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