

Anti-Furin Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9182-Fluoro550

About FURIN

Furin (Fur), also known as PACE, is a protein that in humans is encoded by the FURIN gene. The protein encoded by this gene is an enzyme which belongs to the subtilisin-like proprotein convertase family. The Furin gene is located approximately 1 kb upstream of the FES gene on chromosome 15q25-q26. This gene is thought to play a role in tumor progression. Furin is one of the proteases responsible for the proteolytic cleavage of HIV envelope polyprotein precursor gp160 to gp120 and gp41 prior to viral assembly. Furin is enriched in the Golgi apparatus, where it functions to cleave other proteins into their mature/active forms. Expression of furin in T-cells is required for maintenance of peripheral immune tolerance.

Overview

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| Product Name | Anti-Furin Antibody Picoband® Fluoro550 Conjugated |
| Reactive Species | Human |
| Application | Recommended applications are based on the parent unconjugated antibody (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 | P09958 |

Technical Details

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| Immunogen | E.coli-derived human Furin recombinant protein (Position: T591-L794). Human Furin shares 88% amino acid (aa) sequence identity with both mouse and rat Furin. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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Anti-Furin Antibody - Fluoro550

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