

Anti-TPP1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9899-Fluoro550

About TPP1

Tripeptidyl-peptidase 1, also known as Lysosomal pepstatin-insensitive protease, is an enzyme that in humans is encoded by the TPP1 gene. This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome.

Overview

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| Product Name | Anti-TPP1 Antibody Picoband® Fluoro550 Conjugated |
| Reactive Species | Human |
| Application | Flow Cytometry |
| 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 | O14773 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human TPP1, different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids. |
| 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 | Flow Cytometry, Optimal dilutions should be determined by end users. |

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