

Anti-beta Amyloid/APP Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9091-Fluoro594

About APP

beta Amyloid, also called Abeta or Aβ, denotes peptides of 36–43 amino acids that are crucially involved in Alzheimer's disease as the main component of the amyloid plaques found in the brains of Alzheimer patients. It is mapped to 19q13.12. Several potential activities have been discovered for beta Amyloid, including activation of kinase enzymes, functioning as a transcription factor, and anti-microbial activity (potentially associated with beta Amyloid's pro-inflammatory activity). Moreover, monomeric beta Amyloid is indicated to protect neurons by quenching metal-inducible oxygen radical generation and thereby inhibiting neurotoxicity.

Overview

Product Name	Anti-beta Amyloid/APP Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, 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	P05067

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human APP, different from the related mouse and rat sequences by three 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	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

10 Publications Citing This Product

1. PubMed ID: 10.1007/s12264-011-1028-2, Combined administration of D -galactose and aluminium induces Alzheimerlike lesions in brain
2. PubMed ID: 32951326, Zhang L,Zhang J,Gong Y,Lv L.Systematic and experimental investigations of the anti-colorectal cancer mediated by genistein. Biofactors.2020 Nov;46(6):974-982.doi:10.1002/biof.1677.Epub 2020 Sep 20.PMID:32951326.
3. PubMed ID: -, Ou Qiao,Xinyu Zhang,Yi Zhang et al.Cerebralcare Granule® enhances memantine hydrochloride efficacy in APP/PS1 mice by ameliorating amyloid pathology and cognitive functions,08 April 2021,PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-366097/v1]

Visit bosterbio.com/anti-app-picoband-trade-antibody-pb9091-boster.html to see all 10 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-beta Amyloid/APP Antibody - Fluoro594

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