

Product Datasheet

beta Amyloid Antibody - BSA Free NBP2-25093

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-25093

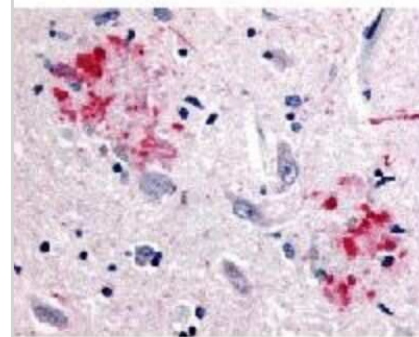
beta Amyloid Antibody - BSA Free

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Peptide affinity purified |
| Buffer | PBS |
| Target Molecular Weight | 115 kDa |
| Product Description | |
| Host | Rabbit |
| Gene ID | 351 |
| Gene Symbol | APP |
| Species | Human, Mouse, Rat, Bacteria |
| Reactivity Notes | Use in Mouse reported in scientific literature (PMID:33756153). |
| Immunogen | This beta Amyloid antibody was raised against a 10 amino acid peptide on the amino terminus of the 4KDa beta Amyloid peptide generated by beta- and gamma-secretases. The immunogen is located within amino acids 650 - 700 of human amyloid A4 protein precursor (APP). Amino Acid Sequence: DAEFRHDSGYE |
| Product Application Details | |
| Applications | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin 2.5 ug/ml |
| Application Notes | Use in IP reported in scientific publication PMID: 32413239 |

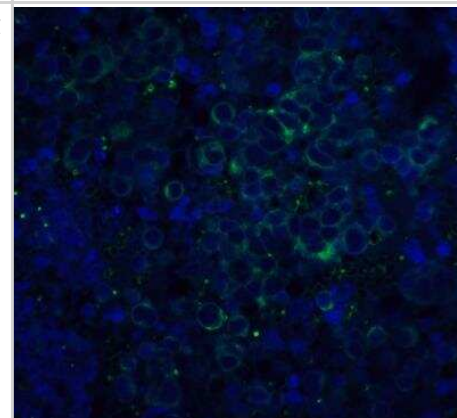


Images

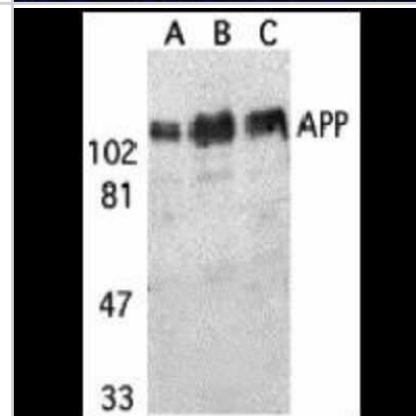
Immunohistochemistry-Paraffin: beta Amyloid Antibody [NBP2-25093] - Human brain (Alzheimer's disease) tissue with APP antibody at 10 ug/mL.



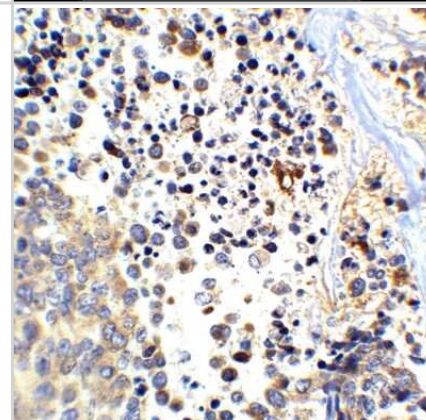
Immunohistochemistry: beta Amyloid Antibody [NBP2-25093] - Rat heart tissue with ASAHI antibody at 20 ug/mL. Green: APP Antibody Blue: DAPI staining



Western Blot: beta Amyloid Antibody [NBP2-25093] - human (A), mouse (B), and rat (C) brain tissue lysates with APP antibody at 1 u/mL. Note: observed band is higher than predicted molecular weight of 5 kDa.



Immunohistochemistry-Paraffin: beta Amyloid Antibody [NBP2-25093] - Analysis of APP in human brain tissue with APP antibody at 2.5 ug/ml.



Publications

Ngwa DN, Agrawal A Structurally Altered, Not Wild-Type, Pentameric C-Reactive Protein Inhibits Formation of Amyloid- beta Fibrils Journal of immunology (Baltimore, Md. : 1950) 2022-08-17 [PMID: 35977795]

Lindsay A, Hickman D, Srinivasan M A nuclear factor-kappa B inhibiting peptide suppresses innate immune receptors and gliosis in a transgenic mouse model of Alzheimer's disease Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 2021-03-20 [PMID: 33756153] (IHC-P, Mouse)

Voth S, Gwin M, Francis CM et al. Virulent Pseudomonas aeruginosa infection converts antimicrobial amyloids into cytotoxic prions FASEB J. 2020-05-15 [PMID: 32413239] (IP, Bacteria)

Stieren ES, El Ayadi A, Xiao Y et al. Ubiquilin-1 is a molecular chaperone for the amyloid precursor protein. J Biol Chem. 2011-10-14 [PMID: 21852239] (WB, Rat)

Details:

IF: Fig 3E (PC12 cells over-expressing APP-GFP)IP/WB: Fig 1C (rat brain)WB: Fig 3F & 3I (PC12 and PC12 cells over-expressing APP-GFP) Note: The specificity of the antibody was validated by WB (Fig 3F & 3I) and IF (Fig 3E) in PC12 over-expressing APP-GFP.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-25093

| | |
|------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| 210-TA-005 | TNF-alpha [Unconjugated] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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