

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

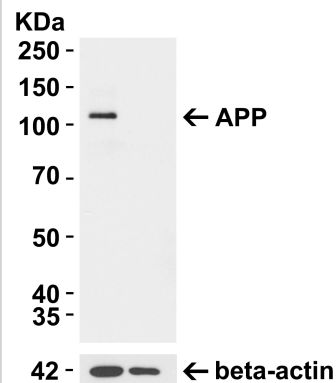
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	115 kDa

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 Squence: DAEFRHDSGYE

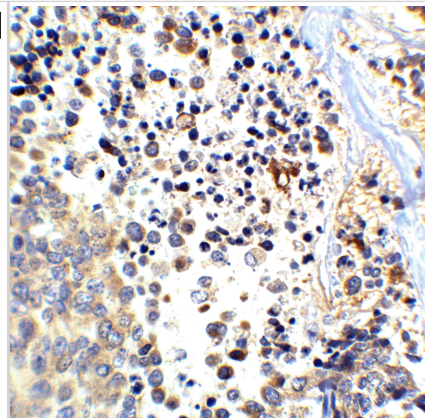
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin 2.5 ug/ml
Application Notes	Use in IP reported in scitific publication PMID: 32413239

Images

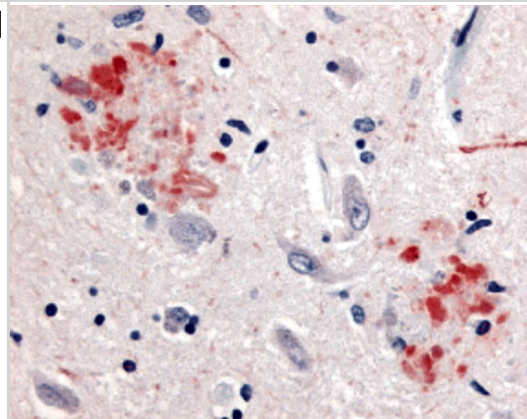
Western Blot: beta Amyloid Antibody - BSA Free [NBP2-25093] - KO Validation in 293T Cells Loading: 10 ug of lysate Antibodies: beta Amyloid, 0.5 ug/mL and beta-actin, 1 ug/mL, 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



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

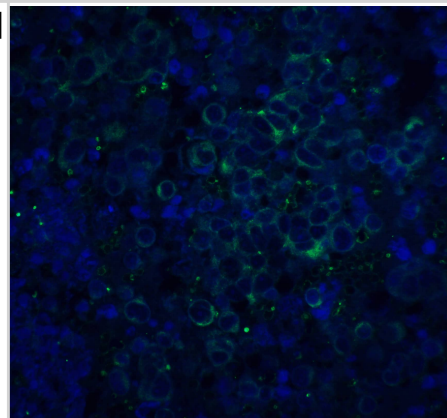


Immunohistochemistry: beta Amyloid Antibody - BSA Free [NBP2-25093]
 - Immunohistochemistry of beta Amyloid in human brain (Alzheimer's disease) tissue with beta Amyloid antibody at 10 ug/mL.

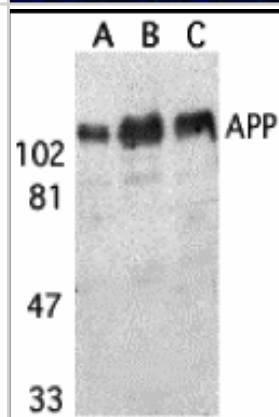


Immunohistochemistry: beta Amyloid Antibody - BSA Free [NBP2-25093]
 - Immunofluorescence of ASAHI1 in rat heart tissue with ASAHI1 antibody at 20 ug/mL.

Green: beta Amyloid Antibody
 Blue: DAPI staining



Western Blot: beta Amyloid Antibody - BSA Free [NBP2-25093] -
 Western blot analysis of beta Amyloid in (A) human, (B) mouse, and (C) rat brain tissue lysates with beta Amyloid antibody at 1 ug/mL.



Publications

Agrawal A, Ngwa D, Simons J et al. Protection against prolonged pneumococcal infection involves structural changes in C-reactive protein and subsequent binding to both phosphocholine and amyloids on the bacterial surface *Frontiers in Immunology* 2025-07-16 [PMID: 40740789]

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.





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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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