

Product Datasheet

APP Antibody - Azide Free NB300-308

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 1

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NB300-308

APP Antibody - Azide Free

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	115 kDa

Product Description

Description	Novus Biologicals Rabbit APP Antibody - Azide Free (NB300-308) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-APP Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	351
Gene Symbol	APP
Species	Mouse, Rat
Reactivity Notes	It is anticipated that the antibody will also work with canine, chicken, human, mouse and non-human primate tissues based on the fact that these species have 100% homology with the amino acid sequence used as antigen.
Specificity/Sensitivity	Specific for endogenous levels of the ~115 kDa APP protein. Immunolabeling of the APP protein band is completely blocked by preadsorption of the antibody with the peptide used as antigen.
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH. Accession # P08592

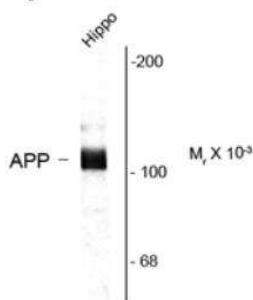
Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence
Application Notes	Immunolabeling of the APP protein band is completely blocked by preadsorption of the with the peptide used as antigen. Expected band seen at ~115 kDa in Western blots. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID : 29176823).

Images

Western Blot: APP Antibody [NB300-308]

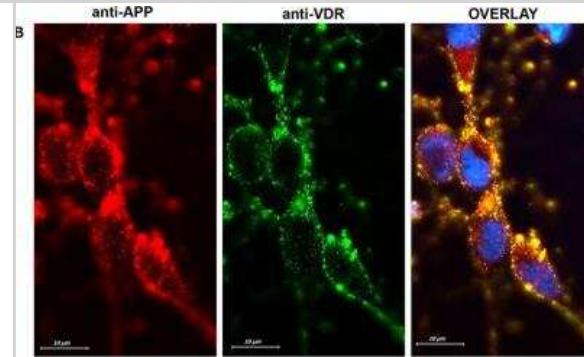
Anti-Amyloid Precursor Protein



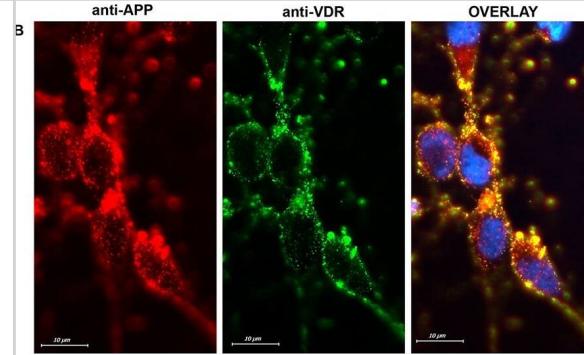
Western blot of rat hippocampal lysate showing specific immunolabeling of the ~115k APP protein.

Immunocytochemistry/Immunofluorescence: APP Antibody [NB300-308]

- Cell surface staining of VDR (green) on live neurons followed by fixation and immunofluorescence labeling of target protein (100x) APP. Overlay images indicate the possible co-localization of VDR/APP on the neuronal plasma membrane. Image collected and cropped by CiteAb from the following publication (<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0188605>) licensed under a CC-BY license.



Western Blot: APP Antibody [NB300-308] - Cell surface staining of VDR (green) on live neurons followed by fixation & immunofluorescence labeling of target proteins (100x): A) ADAM10; B) APP; C) BACE1; D) Nicastrin; E) Presenilin 1; F) Presenilin 2. Overlay images indicate the possible co-localization of VDR/ADAM10 (A) or VDR/APP (B) or VDR/Nicastrin (D) or limited co-localization of VDR/ Presenilin 1 (E) on the neuronal plasma membrane. Overlay images do not indicate co-localization for VDR/BACE1 (C) or VDR/Presenilin 2 (F) on the neuronal plasma membrane. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/29176823/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Dursun E. , Gezen-Ak D. Vitamin D receptor is present on the neuronal plasma membrane and is co-localized with amyloid precursor protein, ADAM10 or Nicastrin. PLoS One 2017-11-28 [PMID: 29176823] (ICC/IF, Rat)



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Products Related to NB300-308

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90246PEP	APP Recombinant Protein Antigen

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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