Product Datasheet

beta Amyloid Antibody (MOAB-2) - Azide and BSA Free
NBP2-80594

Unit Size: 0.1 ml

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

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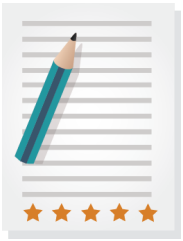
Updated 9/9/2025 v.20.1



NBP2-80594

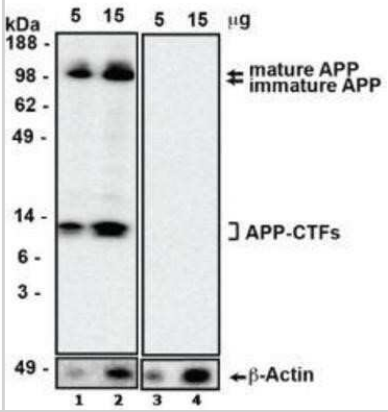
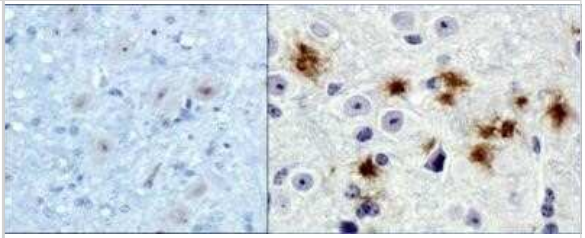
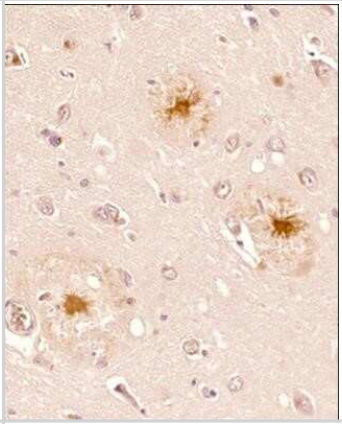
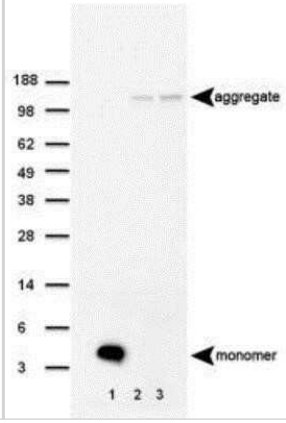
beta Amyloid Antibody (MOAB-2) - Azide and BSA Free

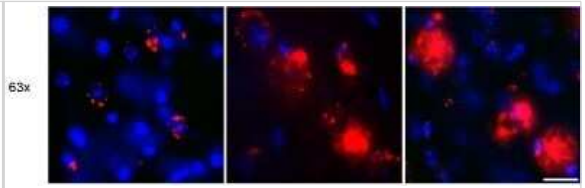
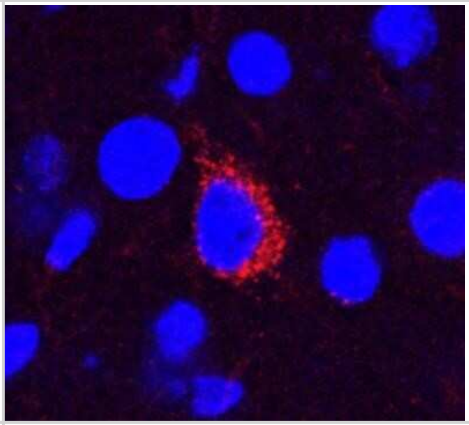
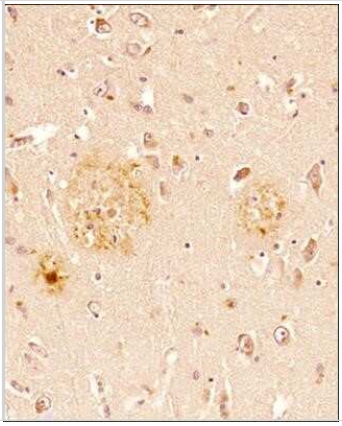
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MOAB-2
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	5 kDa

Product Description	
Description	Novus Biologicals Mouse beta Amyloid Antibody (MOAB-2) - Azide and BSA Free (NBP2-13075) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	351
Gene Symbol	APP
Species	Human, Mouse, Rat, Bacteria, Monkey
Reactivity Notes	Monkey reactivity reported in scientific literature (PMID: 29241829).
Immunogen	This beta Amyloid antibody was developed against recombinant human beta Amyloid 42.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Dot Blot, ELISA, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Immunocytochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:1000-1:5000, ELISA 1:100-1:1000, Immunohistochemistry 1:40-1:400, Immunocytochemistry/ Immunofluorescence 1:200-1:500, Immunoprecipitation 1:200-1:1000, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting reported in scientific literature (PMID 28314768), Dot Blot reported in scientific literature (PMID 22423893), Immunohistochemistry Free-Floating reported in scientific literature (PMID 25747037), Immunocytochemistry
Application Notes	In Western blot, a band can be seen at ~4 kDa, representing the beta Amyloid monomer. Larger bands may also be seen representing the unaggregated, oligomeric, and fibrillar forms of beta Amyloid. For higher beta Amyloid yield in WB, please follow the extraction protocol described in Youmans et al, J Neurosci Methods. 2011 March 15; 196(1): 51-59 (PMID: 21219931).

Images

Western blot analysis in cell lysates from HEK-APP SWE/BACE1 cells probed with an antibody against the C-terminus of APP (Lanes 1 and 2) and beta Amyloid (MOAB-2, Lanes 3 and 4). Beta Amyloid (MOAB-2) does not detect APP (from PMID: 22423893). Image from the standard format of this antibody.	
IHC analysis of beta Amyloid on normal mouse brain (left) and 5xFAD mouse brain (right) using DAB with hematoxylin counterstain. The MOAB-2 antibody was used at 1:20 on normal mouse brain and at 1:400 on 5xFAD mouse brain. Image from the standard format o	
IHC analysis of a formalin fixed paraffin embedded tissue section of human brain (Alzheimers disease, hippocampus) using 1:200 dilution of anti-beta Amyloid antibody (clone MOAB-2). The staining was developed with HRP labeled anti-mouse secondary antibody	
Analysis of beta Amyloid (MOAB-2) antibody in (1) 100 pmole beta Amyloid 42, (2) 5xFAD mouse brain homogenate Repetition 1 and (3) 5xFAD mouse brain homogenate Repetition 2. Image from the standard format of this antibody.	

Immunofluorescent detection of beta Amyloid with MOAB-2 in the subiculim of 1-, 2- and 4- month old 5xFAD mice. Scale bar 20 um (from PMID: 22423893). Image from the standard format of this antibody.	
Mouse brain (cerebral cortex). Red: MOAB-2 antibody staining, Blue: DAPI. Zeiss LSM800, 40x. Image from verified customer review. Image from the standard format of this antibody.	
IHC analysis of a formalin fixed paraffin embedded tissue section of human brain (Alzheimers disease, hippocampus) using 1:40 dilution of anti-beta Amyloid antibody (clone MOAB-2). The staining was developed with HRP labeled anti-mouse secondary antibody	

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Products Related to NBP2-80594

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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