

# 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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**NBP2-80594**

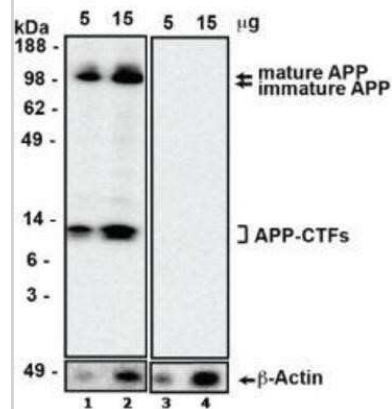
beta Amyloid Antibody (MOAB-2) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	MOAB-2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	5 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	351
<b>Gene Symbol</b>	APP
<b>Species</b>	Human, Mouse, Rat, Bacteria, Monkey
<b>Reactivity Notes</b>	Monkey reactivity reported in scientific literature (PMID: 29241829).
<b>Immunogen</b>	This beta Amyloid antibody was developed against recombinant human beta Amyloid 42.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, ELISA, Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Immunocytochemistry, Immunohistochemistry Free-Floating
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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).

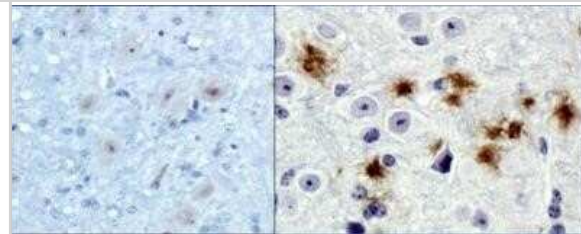


## Images

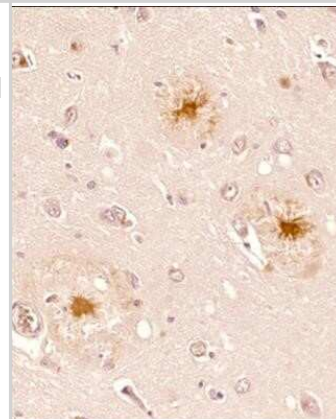
Western blot analysis in cell lysates from HEK-APP SWE/BACE1 cells probed with an antibody against the C-terminus of APP (Lanes 1 and 2) and beta Amyloid (MOAB-2, Lanes 3 and 4). Beta Amyloid (MOAB-2) does not detect APP (from PMID: 22423893). Image from the standard format of this antibody.



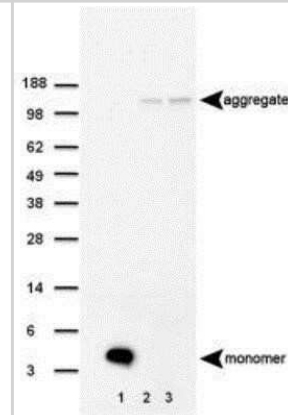
IHC analysis of beta Amyloid on normal mouse brain (left) and 5xFAD mouse brain (right) using DAB with hematoxylin counterstain. The MOAB-2 antibody was used at 1:20 on normal mouse brain and at 1:400 on 5xFAD mouse brain. Image from the standard format o



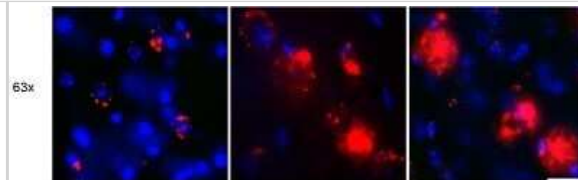
IHC analysis of a formalin fixed paraffin embedded tissue section of human brain (Alzheimers disease, hippocampus) using 1:200 dilution of anti-beta Amyloid antibody (clone MOAB-2). The staining was developed with HRP labeled anti-mouse secondary antibody



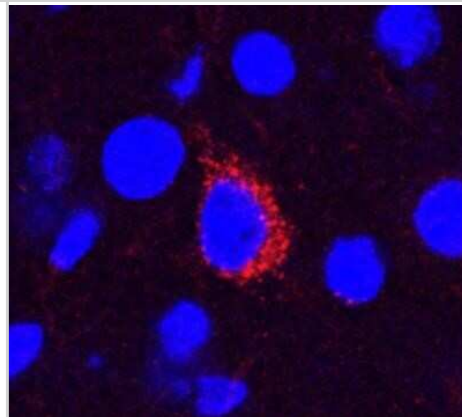
Analysis of beta Amyloid (MOAB-2) antibody in (1) 100 pmole beta Amyloid 42, (2) 5xFAD mouse brain homogenate Repetition 1 and (3) 5xFAD mouse brain homogenate Repetition 2. Image from the standard format of this antibody.



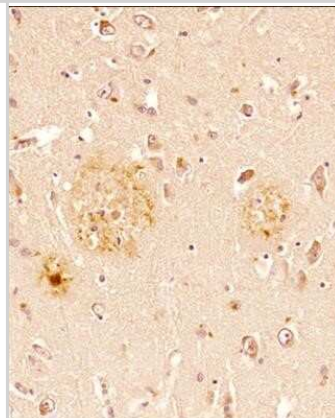
Immunofluorescent detection of beta Amyloid with MOAB-2 in the subiculum of 1-, 2- and 4- month old 5xFAD mice. Scale bar 20 um (from PMID: 22423893). Image from the standard format of this antibody.



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**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
210-TA-005	TNF-alpha [Unconjugated]

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### **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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