

Datasheet: AHP677

Description:	RABBIT ANTI HUMAN BETA AMYLOID (aa1-42)
Specificity:	BETA AMYLOID (aa1-42)
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)This product requires formic acid pre-treatment of paraffin sections.

Target Species	Human
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Product Form	Serum - liquid
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Antiserum Preparation Antisera to Beta amyloid (1-42) were raised by repeated immunisations of rabbits with highly purified antigen.

Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
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External Database Links

UniProt:
[P05067](#) [Related reagents](#)

Entrez Gene:

Synonyms	A4, AD1
RRID	AB_2242734
Specificity	<p>Rabbit anti Human beta amyloid antibody recognizes the beta amyloid (1-42) peptide, the main constituent of amyloid plaques in the brains of Alzheimer's disease patients. Similar plaques appear in some variants of Lewy body dementia and in inclusion body myositis, a muscle disease (Benveniste et al. 2015). Beta amyloid also forms aggregates coating cerebral blood vessels in cerebral amyloid angiopathy (Kirshner et al. 2015).</p> <p>Rabbit anti Human beta amyloid antibody (AHP677) may be used in immunohistochemical staining of Alzheimer's disease plaques.</p>
Histology Positive Control Tissue	Alzheimer's disease brain
References	<ol style="list-style-type: none">Bertrand, E. <i>et al</i> (2008) Amyloid angiopathy in idiopathic Parkinson's disease. Immunohistochemical and ultrastructural study. Folia Neuropathologica. 46: 255-269.Carty, N.C. <i>et al.</i> (2006) Intracranial administration of deglycosylated C-terminal-specific anti-Abeta antibody efficiently clears amyloid plaques without activating microglia in amyloid-depositing transgenic mice. J Neuroinflammation. 3: 11.Jeffrey, M. <i>et al.</i> (2015) Membrane pathology and microglial activation of mice expressing membrane anchored or membrane released forms of Aβ and mutated human Alzheimer's precursor protein (APP). Neuropathol Appl Neurobiol. 41 (4): 458-70.Jeffrey M <i>et al.</i> (2015) A Naturally Occurring Bovine Tauopathy Is Geographically Widespread in the UK. PLoS One. 10 (6): e0129499.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10081 available at: 10081: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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