

Datasheet: AHP677

**BATCH NUMBER 150260**

<b>Description:</b>	RABBIT ANTI HUMAN BETA AMYLOID (aa1-42)
<b>Specificity:</b>	BETA AMYLOID (aa1-42)
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

**Product Form** Serum - liquid

**Antiserum Preparation** Antisera to Beta amyloid (1-42) were raised by repeated immunisations of rabbits with highly purified antigen.

**Preservative Stabilisers** 0.02% Sodium Azide

**External Database Links**

**UniProt:**

[P05067](#)

[Related reagents](#)

**Entrez Gene:**[351](#) APP [Related reagents](#)

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<b>Synonyms</b>	A4, AD1
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<b>RRID</b>	AB_2242734
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<b>Specificity</b>	<p><b>Rabbit anti Human beta amyloid antibody</b> 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 <i>et al.</i> 2015). Beta amyloid also forms aggregates coating cerebral blood vessels in cerebral amyloid angiopathy (<a href="#">Kirshner <i>et al.</i> 2015</a>).</p> <p>Rabbit anti Human beta amyloid antibody (<b>AHP677</b>) may be used in immunohistochemical staining of Alzheimer's disease plaques.</p>
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<b>Histology Positive Control Tissue</b>	Alzheimer's disease brain
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<b>References</b>	<ol style="list-style-type: none"><li>Bertrand, E. <i>et al.</i> (2008) Amyloid angiopathy in idiopathic Parkinson's disease. Immunohistochemical and ultrastructural study. <a href="#">Folia Neuropathologica. 46: 255-269.</a></li><li>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. <a href="#">J Neuroinflammation. 3: 11.</a></li><li>Jeffrey, M. <i>et al.</i> (2015) Membrane pathology and microglial activation of mice expressing membrane anchored or membrane released forms of A<math>\beta</math> and mutated human Alzheimer's precursor protein (APP). <a href="#">Neuropathol Appl Neurobiol. 41 (4): 458-70.</a></li><li>Jeffrey M <i>et al.</i> (2015) A Naturally Occurring Bovine Tauopathy Is Geographically Widespread in the UK. <a href="#">PLoS One. 10 (6): e0129499.</a></li></ol>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10081 available at: 10081: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

## Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

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

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

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

## Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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](https://bio-rad-antibodies.com/datasheets)

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