

Datasheet: AHP677

BATCH NUMBER 159268

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| 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

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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| Synonyms | A4, AD1 |
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| RRID | AB_2242734 |
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| 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 <i>et al.</i> 2015). Beta amyloid also forms aggregates coating cerebral blood vessels in cerebral amyloid angiopathy (Kirshner <i>et al.</i> 2015).</p> <p>Rabbit anti Human beta amyloid antibody (AHP677) may be used in immunohistochemical staining of Alzheimer's disease plaques.</p> |
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| Histology Positive Control Tissue | Alzheimer's disease brain |
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| 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. |
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| 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> |
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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10081 available at: 10081: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf |
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| Regulatory | 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 \(STAR209P\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@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
'M382987:210513'

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