### Product Details

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_2242734</th>
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</table>

#### 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).

<table>
<thead>
<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin (1)</td>
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<tr>
<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>1/500 - 1/1000</td>
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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](http://www.bio-rad-antibodies.com/related-reagents)
- **Entrez Gene:** 351  [APP]  [Related reagents](http://www.bio-rad-antibodies.com/related-reagents)

#### Synonyms

A4, AD1
**Specificity**  
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).

Rabbit anti Human beta amyloid antibody (AHP677) may be used in immunohistochemical staining of Alzheimer's disease plaques.

| Histology Positive Control Tissue | Alzheimer's disease brain |

**References**


**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10081 available at:  

**Related Products**

**Recommended Secondary Antibodies**

- Sheep Anti Rabbit IgG (STAR34...)
- Goat Anti Rabbit IgG (H/L) (STAR124...)
- Goat Anti Rabbit IgG (Fc) (STAR121...)
- Sheeep Anti Rabbit IgG (STAR35...)
- Sheep Anti Rabbit IgG (2AB02...)
- Sheep Anti Rabbit IgG (STAR36...)

**Recommended Useful Reagents**

- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)