

## Datasheet: AHP1252

<b>Description:</b>	RABBIT ANTI BETA AMYLOID (N-TERMINAL)
<b>Specificity:</b>	BETA AMYLOID (N-TERMINAL)
<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)	▪			1/200
ELISA	▪			1/1000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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

<b>Target Species</b>	Human
<b>Product Form</b>	Serum - liquid
<b>Antiserum Preparation</b>	Antisera to amyloid beta (NT) were raised by repeated immunisations of rabbits with highly purified antigen.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid sequence 1-14 of human Amyloid Beta protein.

**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\_877466

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**Specificity**

**Rabbit anti beta amyloid antibody** detects the amino-terminal region of beta amyloid, an ~87 kDa member of the amyloid precursor protein family expressed in the adult brain. Beta amyloid is a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer's disease (AD). Multiple transcript variants encoding several different isoforms have been found for this gene.

Mutations to the gene can also cause cerebroarterial amyloidosis ([cerebral amyloid angiopathy](#)), a condition characterized by the progressive deposition of amyloid protein in cerebral blood vessel walls leading to ischemia, hemorrhage and progressive dementia.

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**Histology Positive  
Control Tissue**

Human Alzheimer disease brain.

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**References**

1. Sambamurti, K. *et al.* (2002) Advances in the cellular and molecular biology of the beta-amyloid protein in Alzheimer's disease. [Neuromolecular Med. 1:1-31.](#)
2. Finder, V. *et al.* (2007) Amyloid-beta aggregation. [Neurodegener. Dis. 4:13-27.](#)
3. Nežić S *et al.* (2017) Histological and immunohistochemical characteristics of cerebral amyloid angiopathy in elderly dogs. [Vet Q. 37 \(1\): 1-7.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

18 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](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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