

## Datasheet: AHP740

<b>Description:</b>	GOAT ANTI HUMAN BACE1 (C-TERMINAL)
<b>Specificity:</b>	BACE1 (C-TERMINAL)
<b>Other names:</b>	BETA-SITE APP-CLEAVING ENZYME 1
<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)	▪			1/100 - 1/200
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Serum - liquid
<b>Antiserum Preparation</b>	Antisera to human BACE1 (C-terminal) were raised by repeated immunisations of goats with highly purified antigen.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Immunogen</b>	Synthetic peptide CLRQQHDDFADDISLLK corresponding to the C-terminal amino

sequence 458-501 of human BACE.

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**External Database****Links****UniProt:**[P56817](#)[Related reagents](#)**Entrez Gene:**[23621](#)

BACE1

[Related reagents](#)

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**Synonyms**

BACE, KIAA1149

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**RRID**

AB\_2061496

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**Specificity**

**Goat anti BACE1 antibody** recognizes human beta-site APP-cleaving enzyme 1, also known as beta- secretase 1, BACE1, Aspartyl protease 2, Asp2 or Memapsin-2. BACE1 is a 501 amino acid, the amino terminal 45 residues constituting the signal and propeptide moieties, ~70 kDa aspartic protease.

BACE1 is involved in the cleavage of the amyloid precursor protein (APP) leading to the generation and extracellular release of soluble amyloid beta peptide ([Lin \*et al.\* 2000](#)). Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease ([Vassar \*et al.\* 1999](#)).

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**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.

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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

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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From March 15, 2021, we will no longer supply printed datasheets with our products.  
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

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