

Datasheet: AHP665

Description:	RABBIT ANTI HUMAN AMYLOID PRECURSOR PROTEIN (KPI DOMAIN)
Specificity:	AMYLOID PRECURSOR PROTEIN (KPI DOMAIN)
Other names:	APP
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)	▪			1/400
ELISA			▪	
Immunoprecipitation (2)	▪			Neat, 5ul/ml
Western Blotting (3)	▪			1/500 - 1/1000

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 antigen retrieval using heat treatment prior to staining of paraffin embedded sections. 0.05M Tris pH7.0, followed by reduction and alkylation is recommended (Campbell *et al.* 1999).

(2) This product requires sample reduction and alkylation prior to immunoprecipitation.

(3) Antigen detection may be enhanced following reduction and alkylation of the sample prior to blocking and antibody incubation.

Target Species	Human
Species Cross Reactivity	Reacts with: Monkey N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or

personal communications from the originators. Please refer to references indicated for further information.

Product Form	Serum - liquid
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Antiserum Preparation	Antisera to human APP were raised by repeated immunisations of rabbits with highly purified antigen.
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Preservative Stabilisers	0.02% Sodium Azide
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Immunogen	Synthetic peptide composed of amino acids 292-312 from the KPI domain of human APP.
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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_324671
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Specificity	<p>Rabbit anti Human Amyloid Precursor Protein antibody recognizes an epitope in the Kunitz protease inhibitor (KPI) domain of human amyloid precursor protein (APP).</p> <p>Only the APP-751 and APP-770 isoforms contain a KPI domain, it being absent from the APP-695 isoform that is most abundant in neuronal tissue. However, there is evidence that suggests KPI containing isoforms may be important in the pathogenesis of Alzheimer disease.</p> <p>Rabbit anti Human Amyloid Precursor Protein antibody recognizes a band of ~115kDa in NTera2/D1 cell lysates using western blotting under reducing conditions.</p>
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Histology Positive Control Tissue	Alzheimer's disease brain.
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References	<ol style="list-style-type: none">1. Campbell, E. <i>et al.</i> (1999) Methods to uncover an antibody epitope in the KPI domain of Alzheimer's amyloid precursor protein for immunohistochemistry in human brain. J Neurosci Methods. 93 (2): 133-8.2. Jelic, V. <i>et al.</i> (2013) Abnormal Platelet Amyloid-β Protein Precursor (AβPP) Metabolism in Alzheimer's Disease: Identification and Characterization of a New AβPP Isoform as Potential Biomarker J Alzheimers Dis. 35: 285-95.
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Storage	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.
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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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://www.bio-rad-antibodies.com/datasheets)

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