

Datasheet for ABIN1742444  
**anti-Abeta 1-42 antibody (AA 37-42)**

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## Overview

Quantity:	50 µg
Target:	Abeta 1-42
Binding Specificity:	AA 37-42
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Synthetic peptide corresponding to aa 37-42 of Abeta peptide 42 coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue.
Specificity:	Specific for Abeta 42
Cross-Reactivity (Details):	weak cross-reactivity to Abeta 40 in westernblots that is not apparent in ELISA tests.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

## Target Details

Target:	Abeta 1-42
Alternative Name:	Abeta 42 ( <a href="#">Abeta 1-42 Products</a> )
Background:	Synonyms: Beta-App, ABPP



## Application Details

Application Notes:	WB: 1 : 1000 (ECL detection) IP: not tested yet ICC: not tested yet IHC: 1 : 100 up to 1 : 500 IHC-P: 1 : 100 ELISA: yes, suitable only as capture antibody, ABIN1742439 is recommended detector antibody for sandwich-ELISA (protocol)
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Comment:	WB: Detects purified Abeta 42. Complex samples like brain extracts still have to be tested. Nitrocellulose membrane is recommended for blotting.
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Restrictions:	For Research Use only
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## Handling

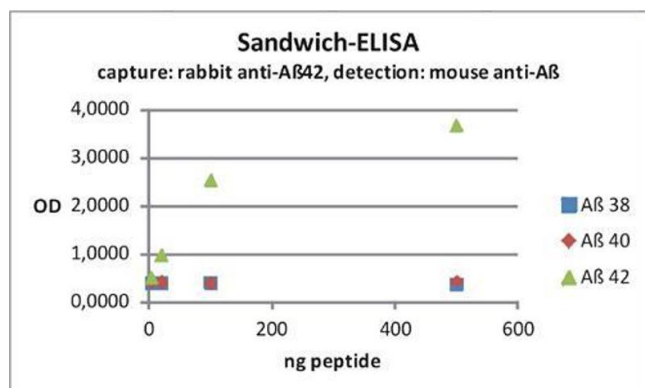
Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL H <sub>2</sub> O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.
Storage:	-20 °C
Storage Comment:	Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

## Publications

Product cited in:	Lai, Szczodrak, Oelkers, Ladwein, Acconcia, Benesch, Auinger, Faix, Small, Polo, Stradal, Rottner: "Cortactin promotes migration and platelet-derived growth factor-induced actin reorganization by signaling to Rho-GTPases." in: <b>Molecular biology of the cell</b> , Vol. 20, Issue 14, pp. 3209-23, (2009) ( <a href="#">PubMed</a> ).
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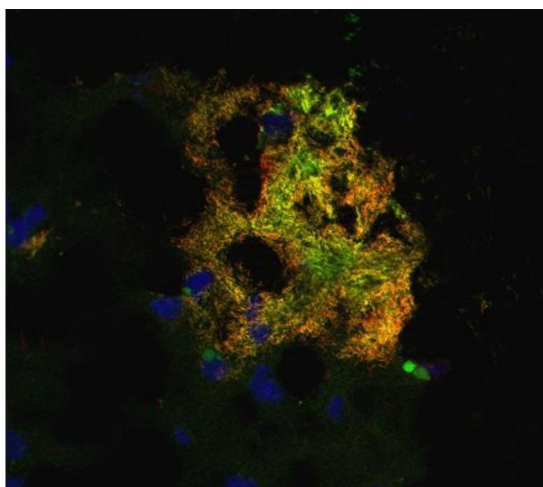
There are more publications referencing this product on: [Product page](#)





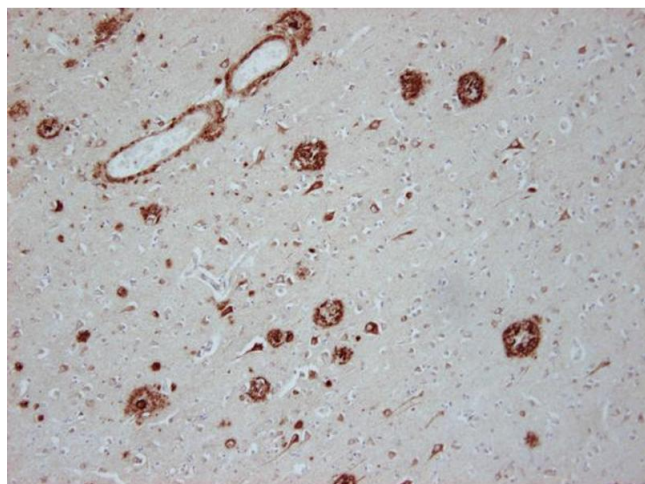
## ELISA

**Image 1.**



## Immunohistochemistry

**Image 2.** Indirect immunostaining of an acetone fixed cryo-section from an Alzheimer's disease patient with anti Abeta 42 (dilution 1 : 100; red) and mouse anti Abeta-pE3 (cat. no. 218 011, dilution 1 : 200; green). Nuclei have been visualized by DAPI staining.



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunostaining of paraffin embedded brain section from an Alzheimer's patient (dilution 1 : 100). Immunoreactivity in amyloid plaques was revealed using diaminobenzidine as chromagen. Nuclei were counterstained with haematoxylin (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1742444.