

Datasheet for ABIN725109

**anti-APP antibody (AA 381-480) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | APP                                                                                                     |
| Binding Specificity: | AA 381-480                                                                                              |
| Reactivity:          | Rat                                                                                                     |
| Host:                | Mouse                                                                                                   |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This APP antibody is conjugated to Cy5                                                                  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Soluble APP-beta/alpha |
| Isotype:              | IgG                                                                        |
| Cross-Reactivity:     | Rat                                                                        |
| Predicted Reactivity: | Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit                         |
| Purification:         | Purified by Protein A.                                                     |

## Target Details

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Target:           | APP                                                        |
| Alternative Name: | Amyloid Precursor Protein ( <a href="#">APP Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: Soluble APP-alpha, Soluble APP-beta, A4 amyloid protein, A4, AAA, ABETA, ABPP, AD 1, AD1, Alzheimer disease 1, Alzheimer disease, Alzheimer's disease amyloid protein, Amyloid beta A4 precursor protein, Amyloid beta A4 protein, Amyloid beta A4 protein precursor isoform b, Amyloid beta A4 protein precursor isoform c, Amyloid beta A4 protein precursor isoform a, Amyloid beta A4 protein precursor isoform b, Amyloid beta A4 protein precursor isoform c, Amyloid beta protein, Amyloid beta-peptide, Amyloid of aging and alzheimer disease, APP, APP I, APPI, Beta amyloid peptide, Cerebral vascular amyloid peptide, CTFgamma, CVAP, Human mRNA for amyloid A4 precursor of Alzheimer's disease, PN 2, PN II, PN2, PreA4, Protease nexin II, A4_HUMAN.</p> <p>Background: This gene encodes 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 disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].</p> |
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|           |                                                                                                                                                                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 351                                                                                                                                                                                                                                                                             |
| Pathways: | <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Feeding Behaviour</a> |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                |                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------|
| Format:        | Liquid                                                                                                      |
| Concentration: | 1 µg/µL                                                                                                     |
| Buffer:        | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative:  | ProClin                                                                                                     |

## Handling

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|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |