antibodies

# Datasheet for ABIN1387502 anti-APBA2 antibody (AA 351-450)



Overview

| Quantity:            | 100 μL  |  |
|----------------------|---|--|
| Target:              | APBA2   |  |
| Binding Specificity: | AA 351-450  |  |
| Reactivity:          | Human   |  |
| Host:                | Rabbit  |  |
| Clonality:           | Polyclonal  |  |
| Conjugate:           | This APBA2 antibody is un-conjugated  |  |
| Application:         | ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-<br>embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)) |  |

### Product Details

| Immunogen:            | KLH conjugated synthetic peptide derived from human APBA2 |  |
|-----------------------|---|--|
| Isotype:              | lgG   |  |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Sheep,Horse,Chicken,Rabbit            |  |
| Purification:         | Purified by Protein A.                                    |  |
| Target Details        |   |  |
| Target:               | APBA2   |  |
| Alternative Name:     | APBA2 (APBA2 Products)                                    |  |

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### Target Details

| Background: | Synonyms: Adapter protein X11beta, Amyloid beta A4 precursor protein-binding family A                |
|-------------|--|
|             | member 2, APBA2, APBA2_HUMAN, D15S1518E, HsT16821, LIN 10, Mint 2, Mint-2, Neuron-                   |
|             | specic X11L protein, Neuronal Munc18-1-interacting protein 2, Phosphotyrosine                        |
|             | binding/interacting domain PTB bearing protein, X11 beta, X11I.                                      |
|             | Background: The Beta-Amyloid precursor protein (Beta-APP) is a major constituent of the              |
|             | amyloid deposits in patients with Alzheimer?s disease. The Beta-Amyloid precursor is known to        |
|             | interact with several proteins, including X11 and the G heterotrimetric protein APP-BP1. The         |
|             | neuronal, transmembrane protein X11 is known to bind to the -Amyloid precursor protein via a         |
|             | phosphotyrosine binding (PTB) domain, reducing the secretion of cellular Beta-APP and slowing        |
|             | Beta-APP processing pathways. X11 binds specifically to the YENPTY motif, which is involved          |
|             | in the internalization of Beta-APP. Multiple splice varitents of X11 have been identified, including |
|             | X11 Alpha (also designated Mint 1), X11 Beta (Mint 2) and X11 Gamma(Mint 3).                         |
|             |  |

Pathways:

Synaptic Vesicle Exocytosis

## Application Details

| Application Notes: | ELISA 1:500-1000      |
|--------------------|-----------------------|
|                    | IHC-P 1:200-400       |
|                    | IHC-F 1:100-500       |
|                    | IF(IHC-P) 1:50-200    |
|                    | IF(IHC-F) 1:50-200    |
|                    | IF(ICC) 1:50-200      |
|                    | ICC 1:100-500         |
| Restrictions:      | For Research Use only |

## Handling

| Format:            | Liquid   |  |
|--------------------|--|--|
| Concentration:     | 1 μg/μL  |  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |  |
| Preservative:      | ProClin  |  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |  |
| Storage:           | 4 °C,-20 °C  |  |

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Storage Comment:

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date:

12 months

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