

Datasheet for ABIN3043503  
**anti-FE65 antibody (AA 295-613)**



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1 Image

## Overview

Quantity:	100 µg
Target:	FE65 (APBB1)
Binding Specificity:	AA 295-613
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FE65 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Amyloid beta A4 precursor protein-binding family B member 1(APBB1) detection. Tested with WB in Human,Mouse.
Immunogen:	E.coli-derived human FE65 recombinant protein (Position: Q295-A613). Human FE65 shares 95%and 96% amino acid (aa) sequence identity with mouse and rat FE65, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: human</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Amyloid beta A4 precursor protein-binding family B member 1(APBB1) detection. Tested with WB in Human,Mouse.

## Product Details

Gene Name: amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)  
Protein Name: Amyloid beta A4 precursor protein-binding family B member 1

Purification: Immunogen affinity purified.

## Target Details

Target: FE65 (APBB1)

Alternative Name: APBB1 ([APBB1 Products](#))

Background: APBB1 is also known as RIR or FE65. The protein encoded by this gene is a member of the Fe65 protein family. It is an adaptor protein localized in the nucleus. It interacts with the Alzheimer's disease amyloid precursor protein (APP), transcription factor CP2/LSF/LBP1 and the low-density lipoprotein receptor-related protein. APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimer's disease. It is thought to regulate transcription. Also it is observed to block cell cycle progression by downregulating thymidylate synthase expression. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Synonyms: Adaptor protein FE65a2 antibody|Amyloid beta (A4) precursor protein binding family B member 1 antibody|Amyloid Beta A4 Precursor Protein Binding Family B antibody|Amyloid beta A4 precursor protein binding family B member 1 antibody|Amyloid beta A4 precursor protein-binding family B member 1 antibody|Amyloid beta precursor protein binding family B member 1 antibody|APBB 1 antibody|APBB1 antibody|APBB1\_HUMAN antibody|FE 65 antibody|Fe65 protein antibody|Protein Fe65 antibody|RIR antibody|stat like protein antibody

Gene ID: 322

UniProt: [O00213](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, The detection limit for FE65 is approximately 0.1 ng/lane under reducing conditions.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



**Western Blotting**

**Image 1.** Anti- FE65 antibody, Western blotting All lanes: Anti at 0.5ug/ml WB: Mouse Brain Tissue Lysate at 50ug Predicted bind size: 77KD Observed bind size: 77KD