

Datasheet for ABIN181665

## **anti-APOE antibody (Isoform E3) (Biotin)**



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### Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 50 µg                                           |
| Target:              | APOE                                            |
| Binding Specificity: | Isoform E3                                      |
| Reactivity:          | Human                                           |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This APOE antibody is conjugated to Biotin      |
| Application:         | Western Blotting (WB), Enzyme Immunoassay (EIA) |

### Product Details

|               |                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | E.Coli derived recombinant Human ApoE3.                                                                             |
| Specificity:  | This antibody detects ApoE3. Cross reacts with Human ApoE2 and Human ApoE4 in both Sandwich ELISA and Western Blot. |
| Purification: | Affinity Chromatography.                                                                                            |

### Target Details

|                   |                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | APOE                                                                                                                                                                                                                                                          |
| Alternative Name: | Apolipoprotein E (Apo E) ( <a href="#">APOE Products</a> )                                                                                                                                                                                                    |
| Background:       | Apolipoprotein E3 mediates the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo E receptor (chylomicron remnant) of hepatic tissues. Synonyms: Apo-E, ApoE |

## Target Details

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Gene ID:        | 348                                                       |
| NCBI Accession: | <a href="#">NP_000032</a>                                 |
| UniProt:        | <a href="#">P02649</a>                                    |
| Pathways:       | <a href="#">Regulation of Cell Size, Lipid Metabolism</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Application Notes: | <p>Direct ELISA: To detect Human ApoE3 by Direct ELISA (using 100 µL/well antibody solution) a concentration of approx. 1.0 µg/mL of this antibody is required. This Biotinylated polyclonal antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Human ApoE3. Sandwich ELISA: To detect Human ApoE3 by Sandwich ELISA (using 100 µL/well) a concentration of 0.25-1.0 µg/mL of this antibody is required. This Biotinylated antibody, in conjunction with Affinity purified anti-Human ApoE3 (ABIN181667 or ABIN181668) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human ApoE3. Western blot: To detect Human ApoE3 this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human ApoE3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p> |
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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution:  | Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.                                                                                        |
| Buffer:          | PBS, pH 7.2 without preservatives.                                                                                                                                      |
| Preservative:    | Without preservative                                                                                                                                                    |
| Handling Advice: | Avoid repeated freezing and thawing.                                                                                                                                    |
| Storage:         | -20 °C                                                                                                                                                                  |
| Storage Comment: | Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2-8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. |
| Expiry Date:     | 6 months                                                                                                                                                                |