

## Datasheet for ABIN452451 **anti-APOE antibody**



[Go to Product page](#)

### Overview

|              |                                                 |
|--------------|-------------------------------------------------|
| Quantity:    | 50 µg                                           |
| Target:      | APOE                                            |
| Reactivity:  | Human                                           |
| Host:        | Mouse                                           |
| Clonality:   | Monoclonal                                      |
| Conjugate:   | This APOE antibody is un-conjugated             |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

### Product Details

|                  |                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:       | Human apolipoprotein E                                                                                                                      |
| Clone:           | IB5-E1                                                                                                                                      |
| Isotype:         | IgG1                                                                                                                                        |
| Specificity:     | This antibody reacts with all isoforms E2, E3, E4 of Human Apolipoprotein E (ApoE). The antibody detects a 38 kDa band in Western Blotting. |
| Characteristics: | Synonyms: ApoE, Apo-E                                                                                                                       |
| Purification:    | Affinity Chromatography on Protein G                                                                                                        |

### Target Details

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Target:           | APOE                                                       |
| Alternative Name: | Apolipoprotein E (Apo E) ( <a href="#">APOE Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Apolipoprotein E is essential for the normal catabolism of triglyceride rich lipoprotein constituents. The apolipoprotein E gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in Apolipoprotein E result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. Mutations in the APOE gene confer susceptibility to Alzheimer's disease by affecting amyloid-beta deposition.Synonyms: Apo-E, ApoE |
| Gene ID:    | 348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:    | <a href="#">P02649</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:   | <a href="#">Regulation of Cell Size, Lipid Metabolism</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Application Details

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA. Western Blot: 1/200 with PBS, pH 7.4.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only                                                                                                                                                 |

## Handling

|                    |                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution:    | Restore in 1 mL distilled water                                                                                                                                                |
| Buffer:            | PBS, pH 7.4, 0.09 % Sodium Azide, 0.5 % BSA                                                                                                                                    |
| Preservative:      | Sodium azide                                                                                                                                                                   |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                         |
| Storage:           | 4 °C/-20 °C                                                                                                                                                                    |
| Storage Comment:   | Prior to reconstitution store at 2-8 °C. Following reconstitution store the antibody at -20 °C.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch. |
| Expiry Date:       | 12 months                                                                                                                                                                      |