



Llama Anti-Human ApoE4 Monoclonal Antibody, clone Ocy (CABT-Z345L)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | This antibody comes with a COOH-terminal HA epitope tag. |
| Immunogen | Full length protein of human ApoE4. |
| Source/Host | Llama |
| Species Reactivity | Human |
| Clone | Ocy |
| Purification | Purified |
| Conjugate | Unconjugated |
| Applications | Pharmacodynamics, IP, ELISA |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 100 µg |
| Buffer | 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1mM DTT, 60 % glycerol. |
| Preservative | None |
| Storage | Store at -20°C upon arrival. For long term storage, aliquot and store at -80°C. Avoid repeated freeze/thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | Apo E is such an apolipoprotein with many different functions which support normal human physiology and transport of lipid energy throughout the body. But there is also a down-side: ApoE4 is associated with high cholesterol, heart disease and stroke as well as Alzheimer's disease. Indeed, individuals with two E4 alleles seem to have a higher propensity to develop AD at a later stage, although this does not apply to all ethnic groups, so caution is warranted. Nevertheless, intense research regarding the biological role of ApoE4 in health and disease is ongoing, including the development of diagnostic tests. ApoE4 also binds several receptors on the surface of cells, including but not limited to Low Density Lipoprotein receptor (LDLR) and Very Low Density Lipoprotein receptor (VLDLR). These receptors remove plasma lipoproteins from the circulation. |
| Keywords | APOE;apolipoprotein E;AD2, Alzheimer disease 2 (APOE*E4 associated, late onset);apo-E;apolipoprotein E3;AD2 |

GENE INFORMATION

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| Gene Name | APOE |
| Entrez Gene ID | 348 |
| UniProt ID | P02649 |