



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

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

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

Gene Name	APOE
Entrez Gene ID	348
UniProt ID	P02649