



Rabbit Anti-Human HSD17B10 polyclonal antibody (DCABH-5115)

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

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Dog, Rat
Target	HSD17B10
Immunogen	Synthetic peptide derived from internal region of human ERAB protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	27 kDa
Cellular Localization	Cytoplasm
Positive Control	Alzheimer's Brain, Tonsil
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

Warnings

Research Use Only

BACKGROUND

Introduction

Mutations in several genes associated with early onset Alzheimer's result in increased extracellular concentrations of the longer form of the beta-amyloid peptide Ab 1-42 relative to Ab 1-40. It is this longer form of Ab that has been shown to be toxic to neurons and may serve as a catalyst for the aggregation and deposition of Ab to produce the neurotoxic effects associated with senile plaque formation. Using the Ab peptide in a yeast two-hybrid screen, a novel interacting protein designated the endoplasmic reticulum-associated amyloid beta-peptide-binding protein (ERAB) /L-3-hydroxyacyl-CoA dehydrogenase type II has been identified. It is shown to be expressed at high levels in Alzheimer's disease-affected brain. ERAB may contribute to neuronal dysfunction in Alzheimer's disease.

Keywords

HSD17B10;hydroxysteroid (17-beta) dehydrogenase
10;ABAD;CAMR;ERAB;HCD2;MHBD;HADH2;MRPP2;MRX17

GENE INFORMATION

Entrez Gene ID

[3028](#)

UniProt ID

[Q99714](#)
