



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

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

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody may react with (Predicted by homology) : Bovine, Dog, Rat
<b>Target</b>	HSD17B10
<b>Immunogen</b>	Synthetic peptide derived from internal region of human ERAB protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunoaffinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P
<b>Molecular Weight</b>	27 kDa
<b>Cellular Localization</b>	Cytoplasm
<b>Positive Control</b>	Alzheimer's Brain, Tonsil
<b>Format</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, pH 7.6
<b>Preservative</b>	<0.1% Sodium Azide
<b>Storage</b>	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.
<b>Warnings</b>	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](#)

---