

# AbboMax, Inc

Innovation at Work

## Rabbit anti ERAB Antibody

### ANTIGEN PREPARATION

A synthetic peptide corresponding to aa 100-116 of human ERAB protein.

### BACKGROUND

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.

### PURIFICATION

The rabbit antibody is purified by epitope-affinity purification.

### SPECIFICITY

This antibody reacts with human. The other species are not tested.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	Not tested
ELISA	Not tested
Immunoprecipitation	2-5 µg/ml
IHC	1:50
Flow cytometry	Not tested

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

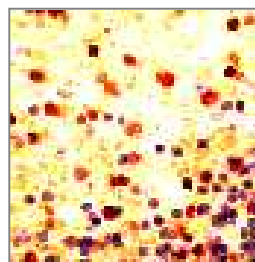
### Order Information

Description:	Rabbit anti ERAB
Catalogue#:	500-10324
Lot#:	See the label
Size:	100 µg/200 ul
Host:	Rabbit
Clone:	N/A
Application:	Immunohistology
Reactivity:	Hu

<b>MOLECULAR WEIGHT:</b>	27 kDa
<b>POSITIVE CONTROL:</b>	U251 cells. Alzheimer's brain
<b>CELLULAR LOCATION:</b>	N/A

Optimal dilutions should be determined by researchers for the specific applications.

### DATA ATTACHMENTS



IHC: Human cerebellum stained with Anti-ERAB, Cat# 500-10324 at 1:50 dilution. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by colling at RT for 20 min.

### REFERENCES:

He, X.Y., et al., J. Biol. Chem., **273**, 10741 (1998).

**FOR RESEARCH USE ONLY.**

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