ERAB (5F3) Monoclonal Antibody
Catalog Number: SIG-39770
Available Size: 0.2 mL, 0.5 mL, 1.0 mL

Description:
Monoclonal Antibody against Endoplasmic Reticulum Amyloid Beta Binding Protein (ERAB)
(Formerly Signet Catalog Nos: 9770-02, 9770-05, 9770-10)

Also Known As:
3-hydroxyacyl-CoA dehydrogenase type-2; AB-binding alcohol dehydrogenase; mitochondrial ribonuclease P protein 2; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; short chain type dehydrogenase/reductase XH98G2; amyloid-beta peptide binding alcohol dehydrogen

Intended Use:
**Research Use Only (RUO)**
This product is sold for laboratory research use only, not for human or in-vivo use.

Form:
Protein G Purified Antibody (in PBS; no preservatives or carrier proteins)

Clone:
5F3

Host:
Mouse

IsoType:
IgG1/lambda

Species Reactivity:
Human

[Ab]:
1 mg/mL

Specificity:
Covance’s ERAB, Clone 5F3 antibody is specific for the recombinant human ERAB protein (27kDa). ERAB is also known as HSD-10 and ABAD. The clone 5F3 recognizes the endogenous ERAB protein in extracts from cells with virtually no cross-reactivity to other human proteins in immunoblots and ELISA assays. Clone 5F3 is an excellent Mitochondria marker. It recognizes ERAB in mitochondria of human cells.

ERAB has been associated with amyloid beta neurotoxicity. ERAB is an intracellular 27kDa polypeptide which appears to be up regulated in the brains of Alzheimer’s disease patients. Cross-reactivity to mouse or other species has not been tested.

This antibody was generated against recombinant, full-length human ERAB protein.

Suggested Working Dilution:
The optimal working dilution should be determined for each specific assay condition.

- IHC: 1:100-1:500
  Tissue Sections: Paraffin Embedded
  Pretreatment: None required
  Incubation: 60 minutes at room temperature

See reverse side for additional information
**Storage:**
Store at -20°C or below. Upon initial thawing, apportion into working aliquots and store at -20°C or below. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. Do not store in frost-free freezers.

**References:**


**Warranty/Conditions:**
Covance products may not be resold or modified for resale without prior written approval. All sales are subject to Covance Antibody Products Terms and Conditions of Sale.

**Datasheet Revision Date:**
8/22/2012