

Datasheet for ABIN3042460
anti-HSD17B10 antibody (AA 48-261)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µg
Target:	HSD17B10
Binding Specificity:	AA 48-261
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for 3-hydroxyacyl-CoA dehydrogenase type-2(HSD17B10) detection. Tested with WB, IHC-P in Human,Mouse.
Immunogen:	E.coli-derived human ERAB recombinant protein (Position: E48-P261). Human ERAB shares 87% and 88% amino acid (aa) sequence identity with mouse and rat ERAB, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for 3-hydroxyacyl-CoA dehydrogenase type-2(HSD17B10) detection. Tested with WB, IHC-P in Human,Mouse.</p> <p>Gene Name: hydroxysteroid (17-beta) dehydrogenase 10</p> <p>Protein Name: 3-hydroxyacyl-CoA dehydrogenase type-2</p>
Purification:	Immunogen affinity purified.

Target Details

Target: HSD17B10

Alternative Name: HSD17B10 ([HSD17B10 Products](#))

Background: ERAB is also known as HSD17B10 or HADH2. This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids and steroids, and is a subunit of mitochondrial ribonuclease P, which is involved in tRNA maturation. The protein has been implicated in the development of Alzheimer disease, and mutations in the gene are the cause of 17beta-hydroxysteroid dehydrogenase type 10 (HSD10) deficiency. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined.

Synonyms: 17 beta hydroxysteroid dehydrogenase 10 antibody|17 beta hydroxysteroid dehydrogenase type 10 antibody|17-beta-HSD 10 antibody|17-beta-hydroxysteroid dehydrogenase 10 antibody|17b HSD10 antibody|3 hydroxy 2 methylbutyryl CoA dehydrogenase antibody|3 hydroxyacyl CoA dehydrogenase type 2 antibody|3 hydroxyacyl CoA dehydrogenase type II antibody|3-hydroxy-2-methylbutyryl-CoA dehydrogenase antibody|3-hydroxyacyl-CoA dehydrogenase type II antibody|3-hydroxyacyl-CoA dehydrogenase type-2 antibody|AB binding alcohol dehydrogenase antibody|ABAD antibody|Ads9 antibody|Amyloid beta binding polypeptide antibody|Amyloid beta peptide binding alcohol dehydrogenase antibody|Amyloid beta peptide binding protein antibody|CAMR antibody|DUPXp11.22 antibody|Endoplasmic Reticulum Amyloid Binding Protein antibody|Endoplasmic reticulum associated amyloid beta peptide binding protein antibody|Endoplasmic reticulum-associated amyloid beta-peptide-binding protein antibody|ER associated amyloid beta-binding protein antibody|ERAB antibody|HADH 2 antibody|HADH2 antibody|HCD 2 antibody|HCD2 antibody|HCD2_HUMAN antibody|Hsd17b10 antibody|Hydroxyacyl CoA Dehydrogenase type II antibody|Hydroxyacyl Coenzyme A dehydrogenase type II antibody|Hydroxysteroid (17 beta) dehydrogenase 10 antibody|Mental retardation X linked syndromic 11 antibody|MHBDB antibody|Mitochondrial L3 Hydroxyacyl CoA Dehydrogenase antibody|Mitochondrial ribonuclease P protein 2 antibody|Mitochondrial RNase P protein 2 antibody|MRPP2 antibody|MRX17 antibody|SCHAD antibody|SDR5C1 antibody|Short chain dehydrogenase/reductase family 5C member 1 antibody|Short chain L 3 hydroxyacyl CoA dehydrogenase type 2 antibody|Short chain type dehydrogenase/reductase XH98G2 antibody|Short-chain type dehydrogenase/reductase XH98G2 antibody|Type 10 17b HSD antibody|Type 10 17beta hydroxysteroid dehydrogenase antibody|Type II HADH antibody|XH98G2 antibody

Target Details

Gene ID: 3028

UniProt: [Q99714](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, The detection limit for ERAB is approximately 0.1 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

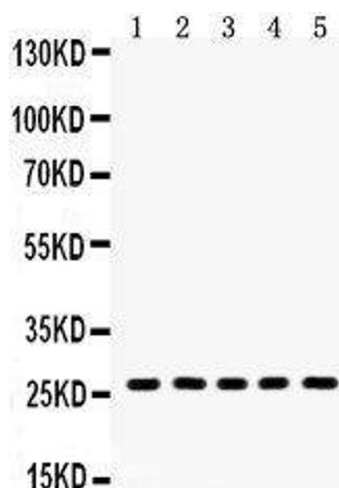
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

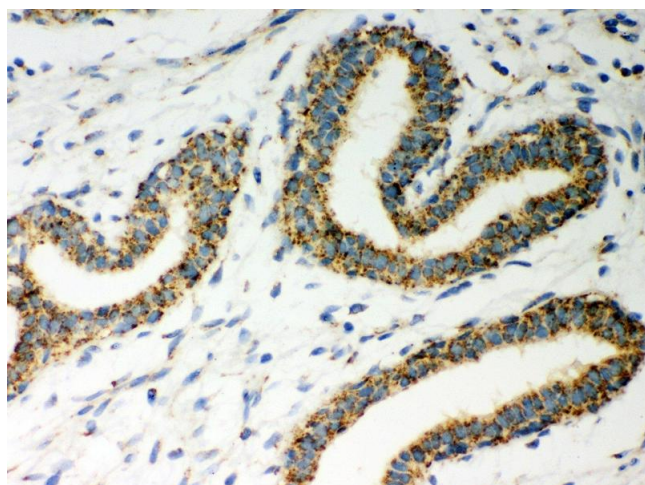
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



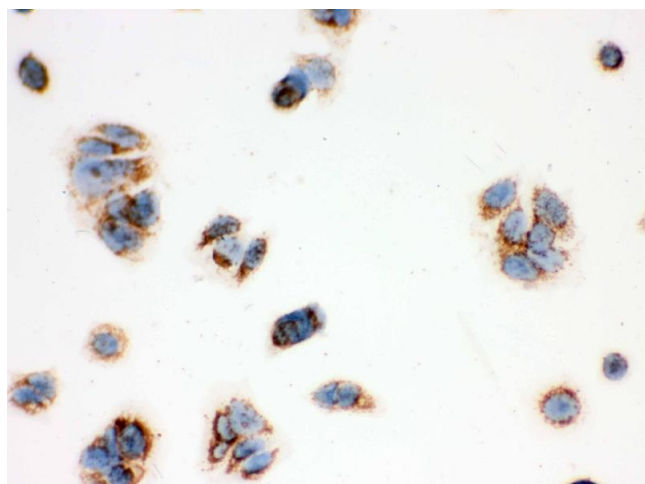
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- ERAB Picoband antibody,IHC(P) IHC(P):
Human Mammary Cancer Tissue



Immunohistochemistry

Image 3. IHC analysis of ERAB using anti-ERAB antibody .
ERAB was detected in immunocytochemical section of MCF-7 cell. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-ERAB Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3042460.