

Datasheet for ABIN3031274
anti-HSD17B4 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µg
Target:	HSD17B4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human HSD17B4 (NIMLSQKLQMILKDYAKL) was used as the immunogen for this 17-beta-Hydroxysteroid dehydrogenase 4 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	HSD17B4
Alternative Name:	17-beta-Hydroxysteroid Dehydrogenase 4 (HSD17B4) (HSD17B4 Products)
Background:	The HSD17B4 gene encodes an enzyme involved in peroxisomal fatty acid beta-oxidation. It was first identified as a 17-beta-estradiol dehydrogenase. Peroxisomal beta-oxidation of fatty

Target Details

acids is catalyzed by 3 enzymes: acyl-CoA oxidase, the D-bifunctional enzyme with enoyl-CoA-hydratase and D-3-hydroxyacyl-CoA dehydrogenase activity, and 3-ketoacyl-CoA thiolase. The D- and L-bifunctional proteins have different substrate specificities. The D-bifunctional protein catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids and also acts in shortening cholesterol for bile acid formation. In contrast, the L-specific bifunctional protein does not have the latter 2 activities.

UniProt: [F5HE57](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the 17-beta-Hydroxysteroid dehydrogenase 4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

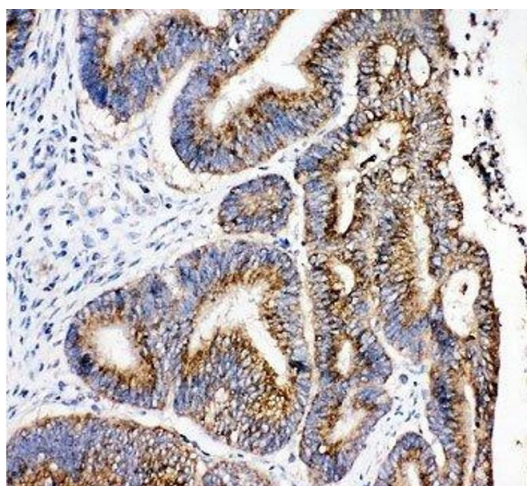
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

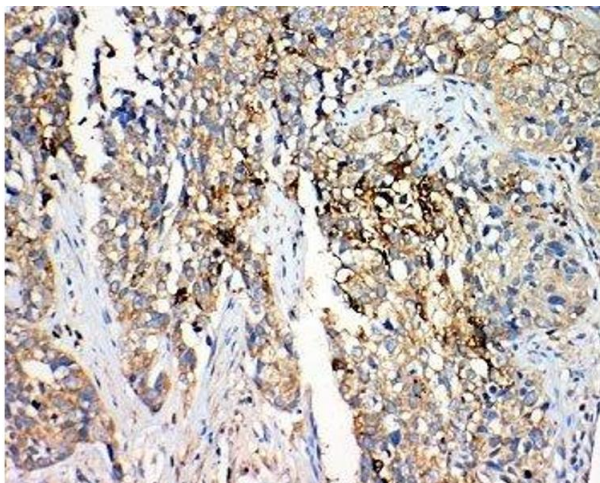
Storage Comment: After reconstitution, the 17-beta-Hydroxysteroid dehydrogenase 4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



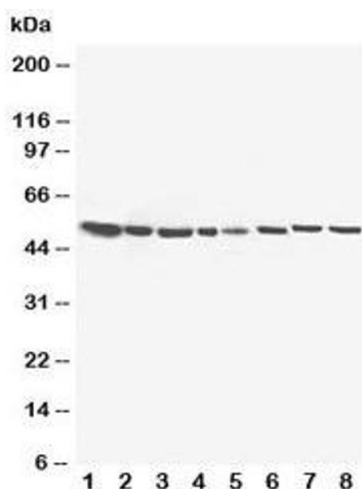
Immunohistochemistry

Image 1. IHC-P: 17-beta-Hydroxysteroid dehydrogenase 4 antibody testing of human intestinal cancer tissue



Immunohistochemistry

Image 2. IHC-P: 17-beta-Hydroxysteroid dehydrogenase 4 antibody testing of human lung cancer tissue



Western Blotting

Image 3. Western blot testing of 17-beta-Hydroxysteroid dehydrogenase 4 antibody and Lane 1: rat liver; 2: (r) brain; 3: (r) testis; 4: (r) small intestine; 5: human SMMC-7721; 6: (h) HeLa; 7: (h) U87; 8: (h) COLO320

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031274.