

Rabbit Hydroxysteroid(17-beta) Dehydrogenase 4 Polyclonal Antibody | anti-HSD17B4 antibody

Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody

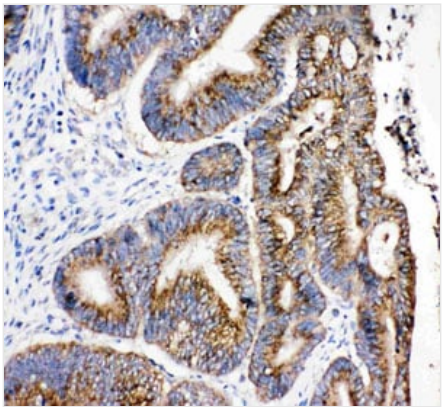
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45167	Rabbit	Human, Mouse, RatNo cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

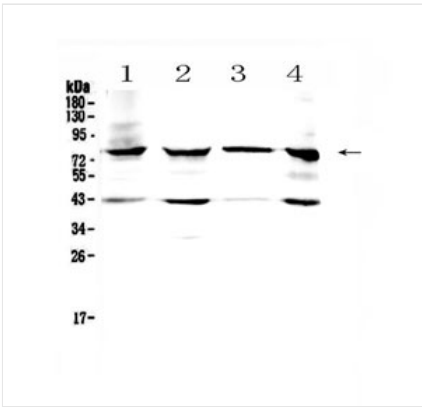
Hydroxysteroid(17-beta) Dehydrogenase 4; Polyclonal Antibody; Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody; Enoyl-CoA hydratase 2; hydroxysteroid(17-beta) dehydrogenase 4; 12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase antibody; 17 beta HSD 4 antibody; 17 beta HSD IV antibody; 17 beta hydroxysteroid dehydrogenase 4 antibody; 17-beta-HSD 4 antibody; 17-beta-hydroxysteroid dehydrogenase 4 antibody; 17beta estradiol dehydrogenase type IV antibody; 3 alpha 7 alpha12 alpha trihydroxy 5 beta cholest 24 enoyl CoA hydratase antibody; 3-alpha antibody; 7-alpha antibody; Beta hydroxyacyl dehydrogenase antibody; Beta keto reductase antibody; D 3 hydroxyacyl CoA dehydratase antibody; D bifunctional protein antibody; D bifunctional protein peroxisomal antibody; D-bifunctional protein antibody; DBP antibody; DHB4_HUMAN antibody; EDH17B4 antibody; Enoyl-CoA hydratase 2 antibody; Hsd17b4 antibody; MFE 2 antibody; MFE-2 antibody; MPF-2 antibody; Multifunctional protein 2 antibody; Peroxisomal multifunctional enzyme type 2 antibody; Peroxisomal multifunctional protein 2 antibody; SDR8C1 antibody; Short chain dehydrogenase/reductase family 8C member 1 antibody; anti-HSD17B4 antibody

PRODUCT SPECIFICATIONS

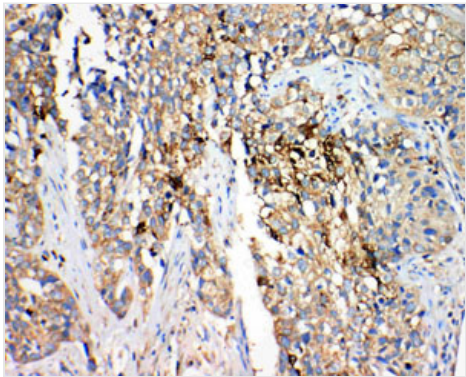
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA,0.9mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg NaN ₃
Sequence Length	718
Applicable Applications for anti-HSD17B4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of human HSD17B4(744-761aa NIMLSQKLQMILKDYAKL), identical to the related rat and mouse sequences.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	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.



IHC (Immunohistochemistry)
Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody, AAA45167, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Figure 1. Western blot analysis of HSD17B4 using anti- HSD17B4 antibody (AAA45167). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse heart tissue lysates, Lane 2: rat heart tissue lysates, Lane 3: human placenta tissue lysates, Lane 4: MCF-7 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- HSD17B4 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HSD17B4 at approximately 80KD. The expected band size for HSD17B4 is at 80KD.



IHC (Immunohistochemistry)
Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody, AAA45167, IHC(P)IHC(P): Human Lung Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B4 antibody	Description: Rabbit IgG polyclonal antibody for(3R)-hydroxyacyl-CoA dehydrogenase(HSD17B4) detection. Tested with WB, IHC-P in Human, Mouse, Rat. 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 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.
--	--

NCBI AND UNIPROT INFORMATION

UniProt Accession #	F5HE57; B4DNV1; B4DVS5; E9PB82
----------------------------	--------------------------------

UniProt Protein Name	Peroxisomal multifunctional enzyme type 2
UniProt Gene Name	HSD17B4
UniProt Synonym Gene Names	EDH17B4; MFE-2; 17-beta-HSD 4; DBP; MPF-2
UniProt Entry Name	DHB4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hydroxysteroid17-beta-dehydrogenase-4-antibody-immunohistochemistry-western-blot-elisa/45167>