

**DATASHEET**

**HSD17B8 Rabbit Polyclonal Antibody**

CAT. NO. APA15861

**KEY FEATURES**

Target	HSD17B8	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Required for the solubility and assembly of the heterotetramer 3-ketoacyl-[acyl carrier protein] (ACP) reductase functional complex (KAR or KAR1) that forms part of the mitochondrial fatty acid synthase (mtFAS). Alpha-subunit of the KAR complex that acts as a scaffold protein required for the stability of carbonyl reductase type-4 (CBR4, beta-subunit of the KAR complex) and for its 3-ketoacyl-ACP reductase activity, thereby participating in mitochondrial fatty acid biosynthesis. Catalyzes the NAD-dependent conversion of (3R)-3-hydroxyacyl-CoA into 3-ketoacyl-CoA (3-oxoacyl-CoA) with no chain length preference; this enzymatic activity is not needed for the KAR function reductase functional complex (KAR or KAR1) that forms part of the mitochondrial fatty acid synthase (mtFAS).

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to HSD17B8
Specificity	Recognizes endogenous levels of HSD17B8 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human HSD17B8. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 26 kD; Observed: 27 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FABGL; HKE6; RING2; Estradiol 17-beta-dehydrogenase 8; 17-beta-hydroxysteroid dehydrogenase 8; 17-beta-HSD 8; 3-oxoacyl-[acyl-carrier-protein] reductase; Protein Ke6; Ke-6; Really interesting new gene 2 protein; Testosterone 17-beta-dehydrogenase 8
Gene Symbol	HSD17B8
Entrez Gene	7923(Human); 14979(Mouse); 361802(Rat)
SwissProt	Q92506(Human); P50171(Mouse); Q6MGB5(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

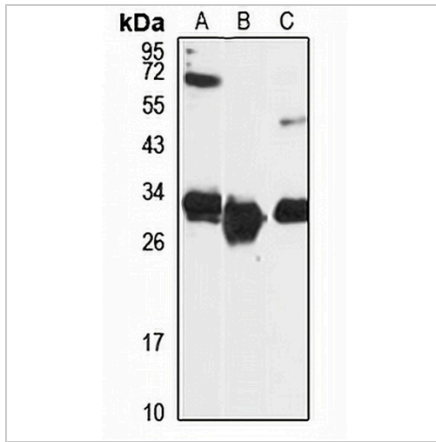
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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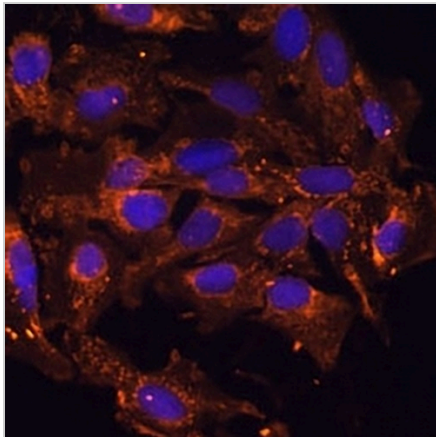
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**DATA**



Western blot analysis of HSD17B8 expression in HeLa (A), mouse liver (B), rat heart (C) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 27 kD)



Immunofluorescent analysis of HSD17B8 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.