

Product datasheet for **TA700566**

HSD17B13 Biotinylated Rabbit Monoclonal Detection Antibody [Clone ID: OTIR13E1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR13E1
Applications:	ELISA
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSD17B13 produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	33.7 kDa
Gene Name:	hydroxysteroid 17-beta dehydrogenase 13
Database Link:	NP_835236 Entrez Gene 345275 Human Q7Z5P4



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Background:

17 β -Hydroxysteroid dehydrogenase type 13 (HSD17B13) is an enzyme that in humans is encoded by the HSD17B13 gene. HSD17B13 is a 300-amino-acid protein that is localized on lipid droplet. The RNA expression of HSD17B13 is highly restricted to the liver, specifically in hepatocytes but not other cell types in the liver. HSD17B13 is involved in various metabolic processes, including steroid hormones, fatty acids, cholesterol, and bile acids. HSD17B13 has been reported to catalyze multiple substrates including steroids, bioactive lipids including leukotriene B4 and 12(R)-hydroxyeicosatetraenoic acid, and retinol. HSD17B13 enzymatic activity attributes to hepatic cell injury, inflammation, and fibrosis, chronically leading to the development of alcoholic liver disease (ALD), nonalcoholic steatohepatitis (NASH), cirrhosis, and even hepatocellular carcinoma (HCC). HSD17B13 expression is significantly upregulated in patients and mice with non-alcoholic fatty liver disease (NAFLD). Hepatic overexpression of HSD17B13 promotes lipid accumulation in the liver. HSD17B13 has potential as a biomarker of advanced liver disease, such as non-alcoholic steatohepatitis (NASH) and liver cancer.

Synonyms:

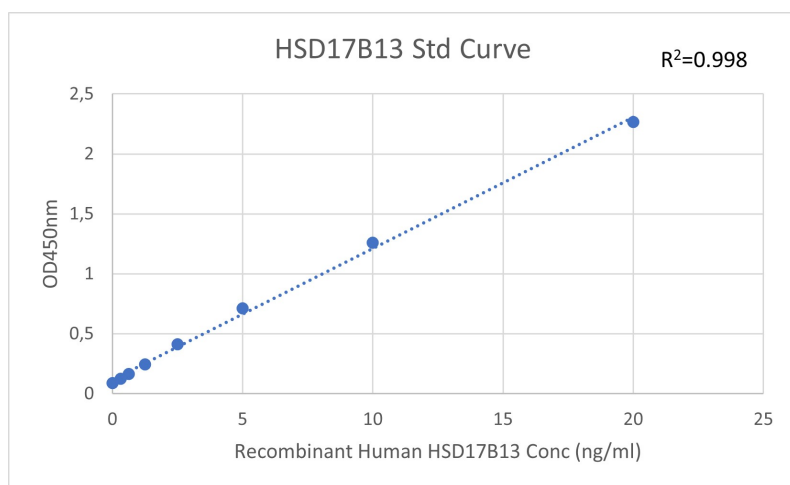
HMFN0376; NIIL497; SCDR9; SDR16C3

Matched ELISA Pair:

TA600566

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Product images:

HSD17B13 ELISA with 5C10 Capture ([TA600566]) and 3E1 Detection (TA700566) Antibodies.
Standard protein used: Recombinant Human HSD17B13 (HEK293T expressed protein Cat# [TP313132])