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Product datasheet for CF507075

Hydroxysteroid (17 beta) Dehydrogenase 4 (HSD17B4) Mouse Monoclonal Antibody [Clone ID: OTI2C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C9
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSD17B4(NP_000405) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	79.5 kDa
Gene Name:	hydroxysteroid 17-beta dehydrogenase 4
Database Link:	NP_000405 Entrez Gene 15488 MouseEntrez Gene 3295 Human P51659

View online »

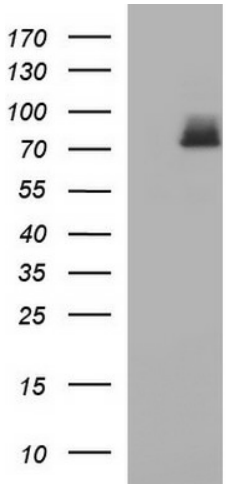
Background: The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. Defects in this gene that affect the peroxisomal fatty acid beta-oxidation activity are a cause of D-bifunctional protein deficiency (DBPD). An apparent pseudogene of this gene is present on chromosome 8. [provided by RefSeq, Jul 2008]

Synonyms: DBP; MFE-2; MPF-2; PRLTS1; SDR8C1

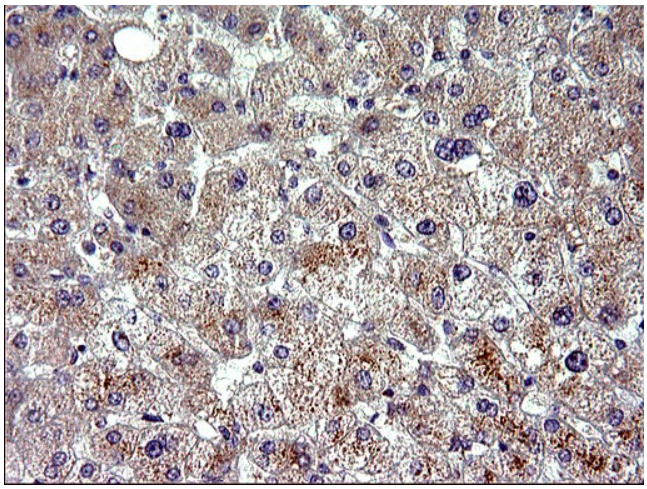
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Primary bile acid biosynthesis

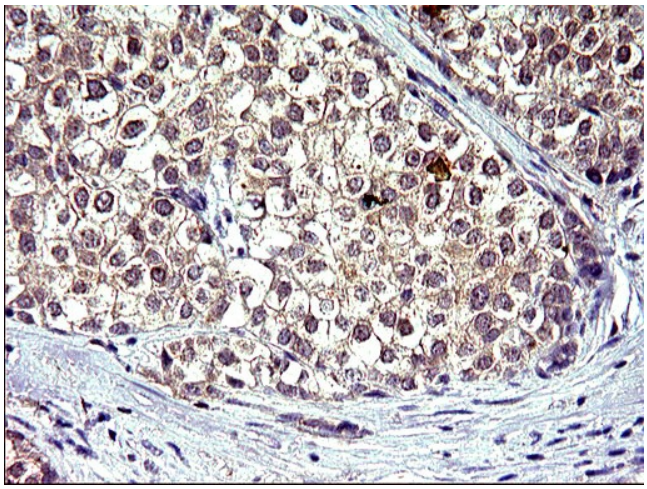
Product images:



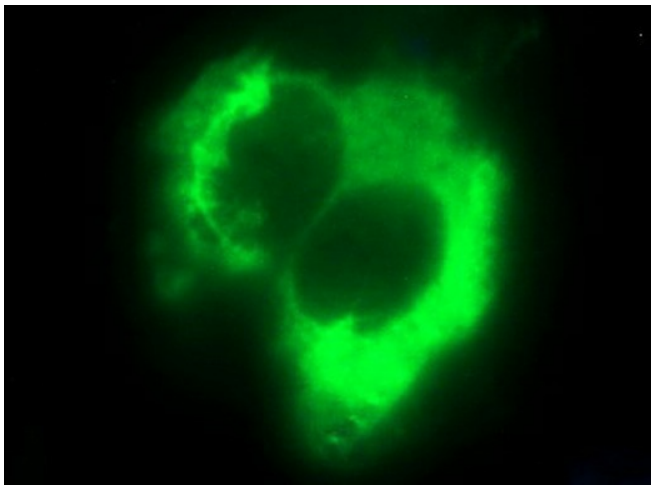
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSD17B4 ([RC200460], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSD17B4. Positive lysates [LY424737] (100ug) and [LC424737] (20ug) can be purchased separately from OriGene.



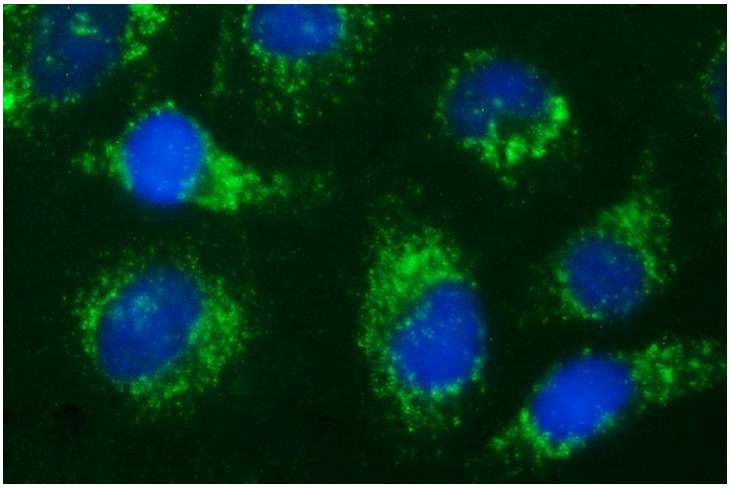
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-HSD17B4 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HSD17B4 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-HSD17B4 mouse monoclonal antibody ([TA507075]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HSD17B4 ([RC200460]).



Immunofluorescent staining of HeLa cells using anti-HSD17B4 mouse monoclonal antibody ([TA507075]).