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Product datasheet for TA507030

Hydroxysteroid (17 beta) Dehydrogenase 4 (HSD17B4) Mouse Monoclonal Antibody [Clone ID: OTI1F3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F3
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSD17B4(NP_000405) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	79.5 kDa
Gene Name:	hydroxysteroid 17-beta dehydrogenase 4
Database Link:	NP_000405 Entrez Gene 3295 Human
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

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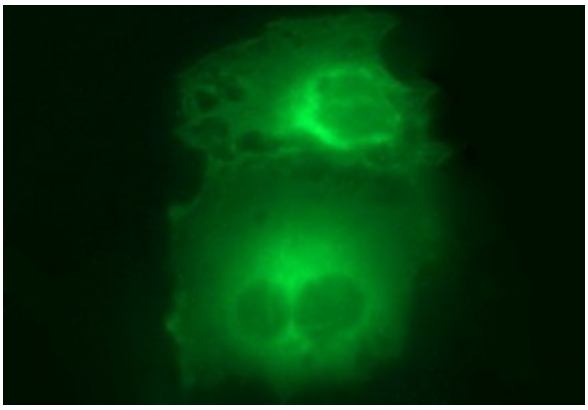
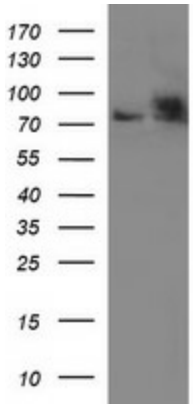
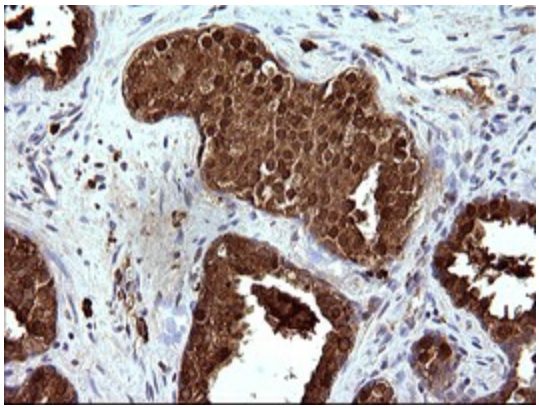
Product images:



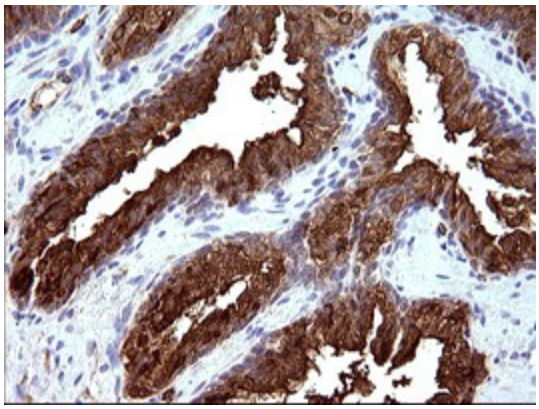
Anti-HSD17B4 mouse monoclonal antibody (TA507030) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HSD17B4 ([RC200460]).



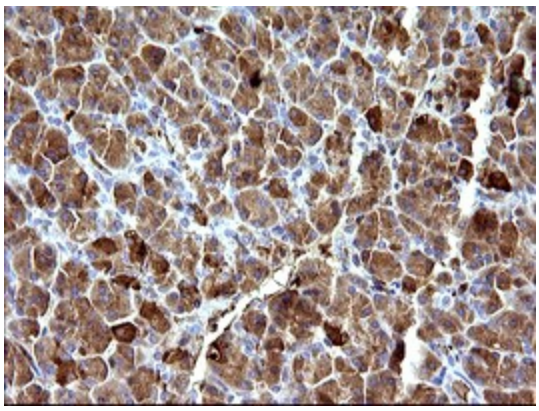
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSD17B4 ([RC200460], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSD17B4. Positive lysates [LY424737] (100ug) and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



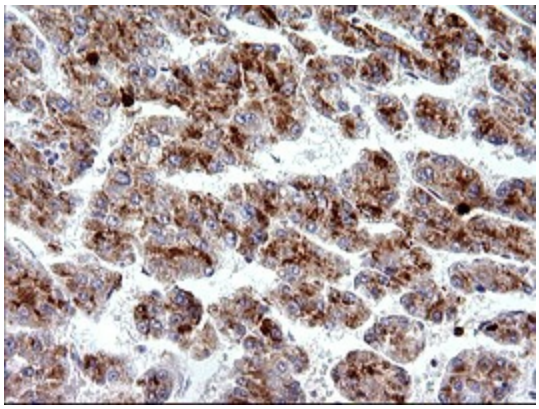
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-HSD17B4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA507030)



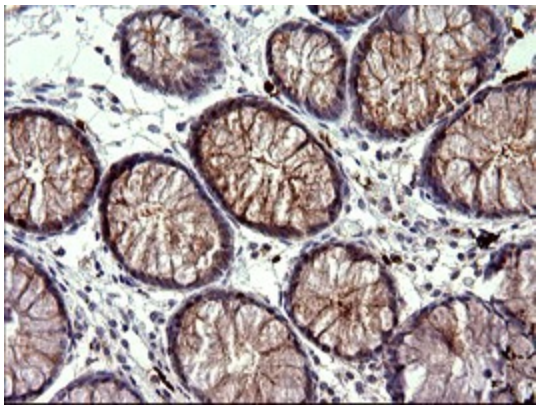
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-HSD17B4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA507030)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-HSD17B4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA507030)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HSD17B4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA507030)



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-HSD17B4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA507030)