



17 β -HSD4 Monoclonal Antibody

Catalog No	YP-mAb-02868
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HSD17B4
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human HSD17B4. AA range:41-90
Specificity	17 β -HSD4 Monoclonal Antibody detects endogenous levels of 17 β -HSD4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	(3R)-hydroxyacyl-CoA dehydrogenase;17 beta HSD 4;17-beta-HSD 4;17-beta-hydroxysteroid dehydrogenase 4;D bifunctional protein;17 β -HSD4;HSD17B4; Peroxisomal multifunctional enzyme type 2;EDH17B4;MFE-2;D-bifunctional protein;DBP;Multifunctional protein 2;MPF-2
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Peroxisome .
Tissue Specificity	Present in many tissues with highest concentrations in liver, heart, prostate and testis.
Function	catalytic activity:(24R,25R)-3-alpha,7-alpha,12-alpha,24-tetrahydroxy-5-beta-cholestanoyl- CoA = (24E)-3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA + H(2)O.,catalytic activity:(S)-3-hydroxyacyl-CoA + NAD(+) = 3-oxoacyl-CoA + NADH.,disease:Defects in HSD17B4 are a cause of D-bifunctional protein deficiency (DBPD) [MIM:261515]. DBPD is a disorder of peroxisomal fatty acid beta-oxidation.,function:Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-



ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids.,pathway:Lipid metabolism; fatty acid beta-oxidation., similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family., similarity:Contains 1 SCP2 domain.,tissue specificity:Present in many tissues with highest concentrations in liver, heart, prostate and testis.,

Background

hydroxysteroid 17-beta dehydrogenase 4(HSD17B4) Homo sapiens 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014],

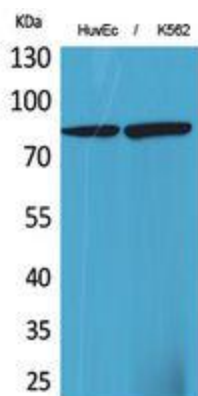
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using 1 β -HSD4 Monoclonal Antibody