

Product datasheet for **AP52112PU-N**

Hydroxysteroid (17 beta) Dehydrogenase 4 (HSD17B4) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 340-370 amino acids from the Central region of human 17-beta-HSD4 / HSD17B4
Specificity:	This antibody recognizes Human 17-beta-HSD4 / HSD17B4 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hydroxysteroid (17-beta) dehydrogenase 4
Database Link:	Entrez Gene 3295 Human P51659



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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].

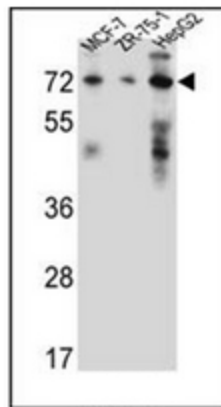
Synonyms: MFE-2, DBP, SDR8C1, EDH17B4, MFE2

Note: **Molecular Weight:** 79686 Da

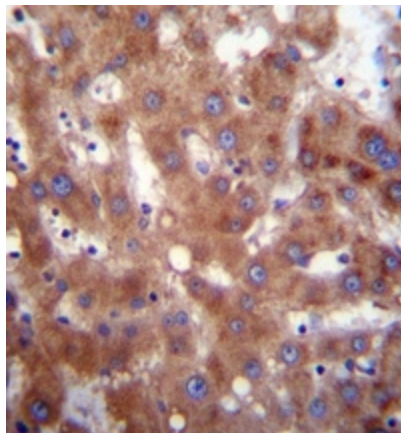
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Primary bile acid biosynthesis

Product images:



Western blot analysis of 17-beta-HSD4 / HSD17B4 Antibody (Center) in MCF-7, ZR-75-1, HepG2 cell line lysates (35ug/lane). This demonstrates the HSD17B4 antibody detected the HSD17B4 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with 17-beta-HSD4 / HSD17B4 Antibody (Center), which was peroxidase conjugated to the secondary antibody and followed by DAB staining.