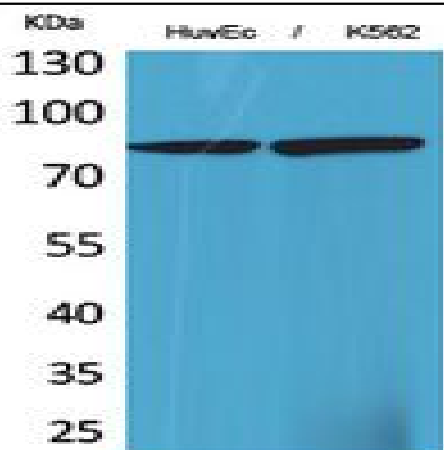


## 17 $\beta$ -HSD4 Polyclonal Antibody

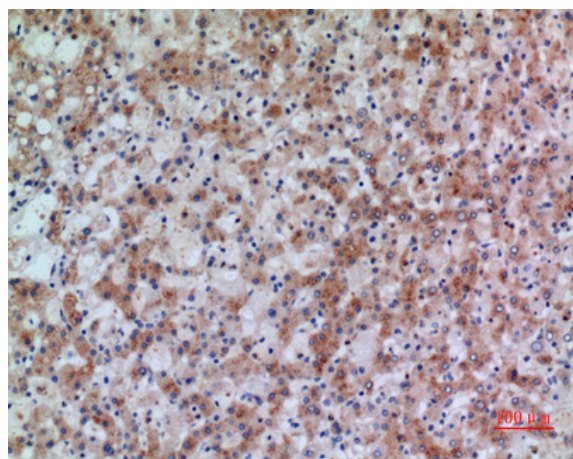
<b>Catalog No :</b>	YT5386
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	17 $\beta$ -HSD4
<b>Fields :</b>	>>Primary bile acid biosynthesis;>>Biosynthesis of unsaturated fatty acids;>>Metabolic pathways;>>Fatty acid metabolism;>>Peroxisome
<b>Gene Name :</b>	HSD17B4
<b>Protein Name :</b>	Peroxisomal multifunctional enzyme type 2
<b>Human Gene Id :</b>	3295
<b>Human Swiss Prot No :</b>	P51659
<b>Mouse Gene Id :</b>	15488
<b>Mouse Swiss Prot No :</b>	P51660
<b>Rat Gene Id :</b>	79244
<b>Rat Swiss Prot No :</b>	P97852
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human HSD17B4. AA range:41-90
<b>Specificity :</b>	17 $\beta$ -HSD4 Polyclonal Antibody detects endogenous levels of 17 $\beta$ -HSD4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	80kD
<b>Cell Pathway :</b>	Primary bile acid biosynthesis;
<b>Background :</b>	<p>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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	Peroxisome .
<b>Expression :</b>	Present in many tissues with highest concentrations in liver, heart, prostate and testis.
<b>Sort :</b>	1492
<b>No4 :</b>	1

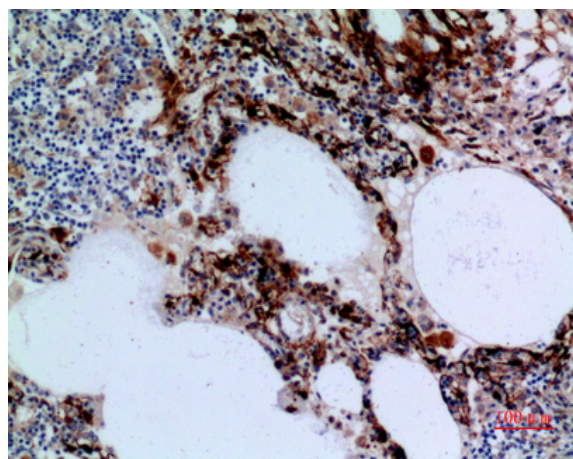
## Products Images



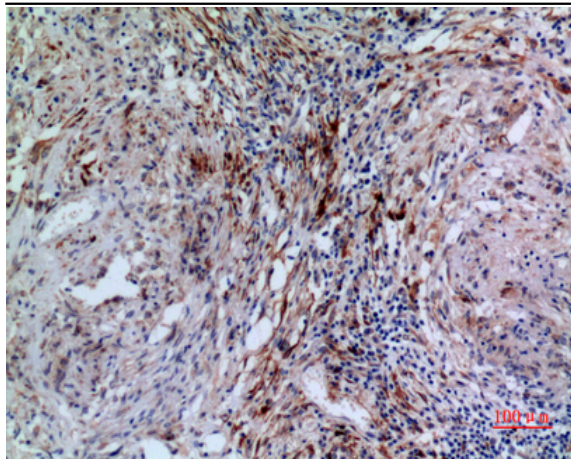
Western Blot analysis of HuvEc, K562 cells using 17 $\beta$ -HSD4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



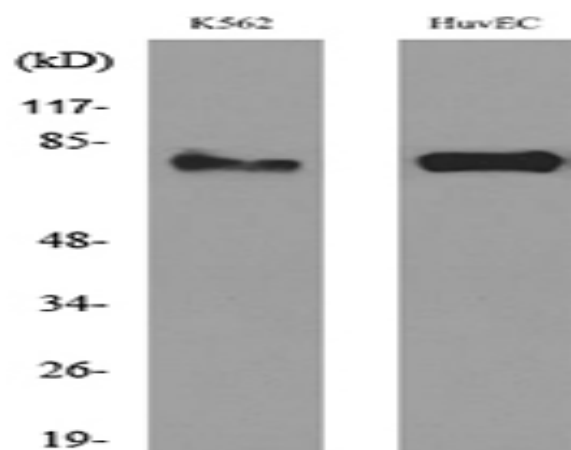
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



Western blot analysis of lysate from K562, HUVEC cells, using HSD17B4 Antibody.