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Anti-HSD17B13 Antibody

Catalog # AP61630

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q7Z5P4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33655

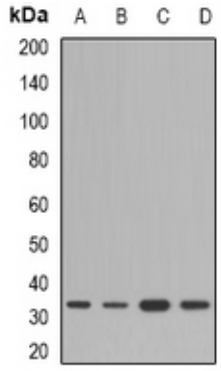
Additional Information

Gene ID	345275
Other Names	SCDR9; 17-beta-hydroxysteroid dehydrogenase 13; 17-beta-HSD 13; Short-chain dehydrogenase/reductase 9
Target/Specificity	Recombinant fusion protein of human HSD17B13
Dilution	WB~~1:500-1:5000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

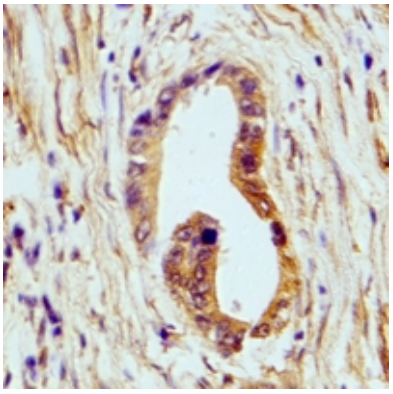
Protein Information

Name	HSD17B13 (HGNC:18685)
Function	Plays a pivotal role in hepatic lipid metabolism (PubMed: 29562163). In vitro, it catalyzes the oxidation of a variety of lipid substrates, including 17beta-estradiol, retinol, retinal, and leukotriene B4 (PubMed:29562163, PubMed:30415504, PubMed:32973038).
Cellular Location	[Isoform 2]: Lipid droplet. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8VCR2}. Note=Redistributed from the endoplasmic reticulum to lipids droplets in the cell upon induction of lipids droplet formation. {ECO:0000250|UniProtKB:Q8VCR2}
Tissue Location	Highly expressed in the liver (PubMed:29562163). Also detected in ovary, bone marrow, kidney, brain, lung, skeletal muscle, bladder and testis.

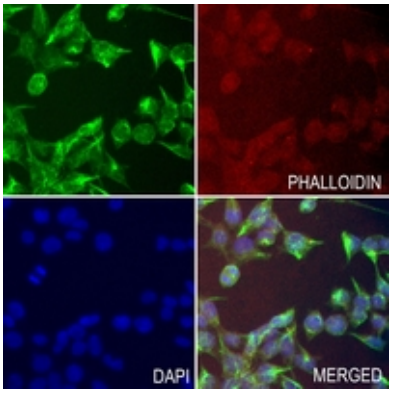
Images



Western blot analysis of HSD17B13 expression in HepG2 (A), mouse liver (B), mouse kidney (C), rat liver (D) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD)



Immunohistochemical analysis of HSD17B13 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HSD17B13 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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