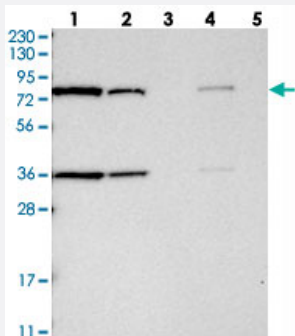


HSD17B4 polyclonal antibody

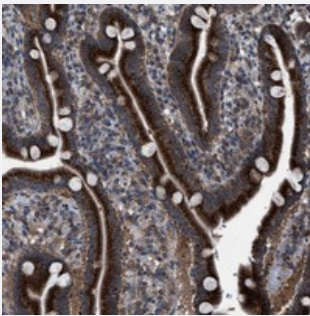
Catalog # PAB21385 Size 100 uL

Applications



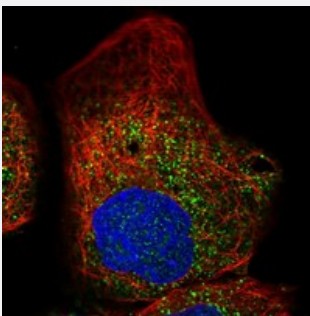
Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with HSD17B4 polyclonal antibody (Cat # PAB21385) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human duodenum with HSD17B4 polyclonal antibody (Cat # PAB21385) strong cytoplasmic positivity in glandular cells at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line A-431 with HSD17B4 polyclonal antibody (Cat # PAB21385) at 1-4 ug/mL dilution shows positivity in vesicles.

Specification

Product Description

Rabbit polyclonal antibody raised against recombinant HSD17B4.

Immunogen

Recombinant protein corresponding to amino acids of human HSD17B4.

Sequence	ESCEENGGLFEVGAGWIGKLRWERTLGAMVRQKNHPMTPEAVKANWKKICDFENASKPQSIQES TGSII EVLSK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with HSD17B4 polyclonal antibody (Cat # PAB21385) at 1:250-1:500 dilution.

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Gene Info — HSD17B4

Entrez GeneID [3295](#)

Protein Accession# [P51659](#)

Gene Name	HSD17B4
Gene Alias	DBP, MFE-2, SDR8C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 4
Omim ID	261515 601860
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	17-beta-HSD IV 17-beta-hydroxysteroid dehydrogenase 4 17beta-estradiol dehydrogenase type I V 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase D-3-hydroxyacyl-CoA dehydratase D-bifunctional protein, peroxisomal beta-hydroxyacyl dehydrogenase

Pathway

- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Adenocarcinoma](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Seminoma](#)
- [Social Perception](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)