

**DHB13 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5729A****Specification**

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**DHB13 Antibody (N-term) - Product Information**

Application	WB, IHC-P-Leica,E
Primary Accession	<a href="#">Q7Z5P4</a>
Other Accession	<a href="#">NP_835236.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	81-110

**DHB13 Antibody (N-term) - Additional Information****Gene ID** 345275**Other Names**

17-beta-hydroxysteroid dehydrogenase 13, 17-beta-HSD 13, 11--, Short-chain dehydrogenase/reductase 9, HSD17B13, SCDR9

**Target/Specificity**

This DHB13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-110 amino acids from the N-terminal region of human DHB13.

**Dilution**

WB~~1:1000

IHC-P-Leica~~1:500

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DHB13 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DHB13 Antibody (N-term) - 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

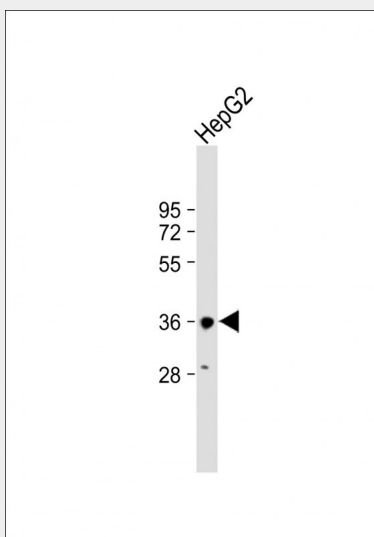
Highly expressed in the liver (PubMed:29562163). Also detected in ovary, bone marrow, kidney, brain, lung, skeletal muscle, bladder and testis.

### DHB13 Antibody (N-term) - Protocols

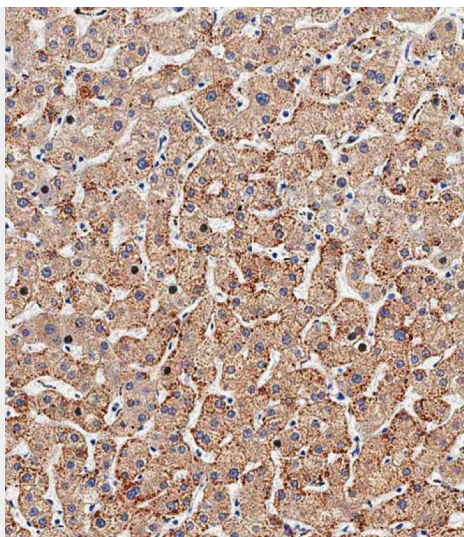
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### DHB13 Antibody (N-term) - Images



Anti-DHB13 Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human liver tissue using AP5729a performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### **DHB13 Antibody (N-term) - References**

Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) :  
Liu, S., et al. Acta Biochim. Pol. 54(1):213-218(2007)  
Yamada, S., et al. Oncogene 23(35):5901-5911(2004)  
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)