

Datasheet for ABIN2776865  
**anti-HSD17B6 antibody (N-Term)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	HSD17B6
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HSD17B6
Sequence:	MWLYLAAFVG LYLLHWYRE RQVVSHLQDK YVFITGCDSG FGNLLARQLD
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 79%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HSD17B6. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	HSD17B6
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## Target Details

Alternative Name:	HSD17B6 ( <a href="#">HSD17B6 Products</a> )
Background:	<p>HSD17B6 has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD<sup>+</sup> as the preferred cofactor. HSD17B6 is a member of the retinol dehydrogenase family. The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD<sup>+</sup> as the preferred cofactor. This gene is a member of the retinol dehydrogenase family. Transcript variants utilizing alternative polyadenylation signals exist.</p> <p>Alias Symbols: HSE, RODH, SDR9C6</p> <p>Protein Size: 317</p>
Molecular Weight:	35 kDa
Gene ID:	8630
NCBI Accession:	<a href="#">NM_003725</a> , <a href="#">NP_003716</a>
UniProt:	<a href="#">O14756</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 317 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

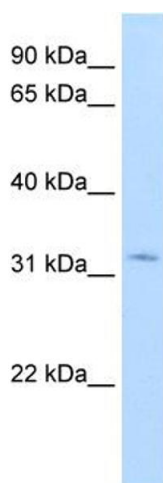
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

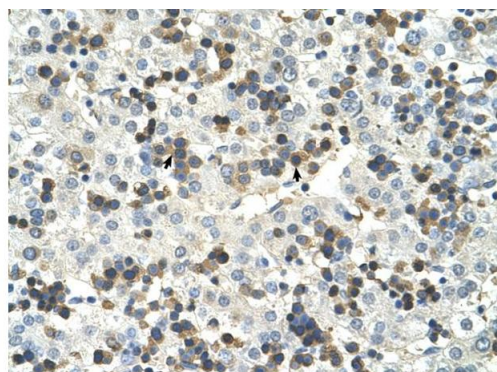
Product cited in: Hirata, Yimin, Segawa, Ozaki, Kobayashi, Shigyo, Chiba: "Xanthohumol prevents atherosclerosis by reducing arterial cholesterol content via CETP and apolipoprotein E in CETP-transgenic mice." in: **PLoS ONE**, Vol. 7, Issue 11, pp. e49415, (2012) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HSD17B6 Antibody Titration: 1.25ug/ml Positive Control: A172 cell lysate HSD17B6 is strongly supported by BioGPS gene expression data to be expressed in Human A172 cells



Rabbit Anti-HSD17B6 Antibody  
Catalog Number: ARP41529  
Lot Number: QC12203  
Paraffin Embedded Tissue: Human Liver  
Cells with Positive label: Hemopoietic cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Rabbit Anti-HSD17B6 Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hemopoietic Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X