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## anti-HSD3B7 antibody (Middle Region)

2 Images



Go to Product page

#### Overview

Quantity:	100 μL
Target:	HSD3B7
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Horse, Rabbit, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B7 antibody is un-conjugated
Application:	Western Blotting (WB)

## **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HSD3B7
Sequence:	QGTRNVIEAC VQTGTRFLVY TSSMEVVGPN TKGHPFYRGN EDTPYEAVHR
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HSD3B7. It was validated on Western Blot.
Purification:	Affinity Purified

## **Target Details**

Target:	HSD3B7
Alternative Name:	HSD3B7 (HSD3B7 Products)

## **Target Details**

rarget Details	
Background:	This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile
	acids from cholesterol and a member of the short-chain dehydrogenase/reductase
	superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein
	which is active against 7-alpha hydrosylated sterol substrates. Mutations in this gene are
	associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a
	form of progressive liver disease. Multiple transcript variants encoding different isoforms have
	been found for this gene.
	Alias Symbols: PFIC4, CBAS1, SDR11E3
	Protein Interaction Partner: NOTCH2NL, KRTAP10-3, KRTAP10-8, KRTAP10-1, KRTAP10-9,
	KRTAP4-2, SPRY2, UBC, KRTAP10-7, DAPP1, PYGL, ICAM1, Hoxa1,
	Protein Size: 369
Molecular Weight:	41 kDa
Gene ID:	80270
NCBI Accession:	NM_025193, NP_079469
UniProt:	Q9H2F3
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 369 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
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

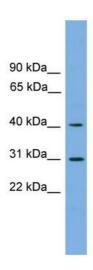
-20 °C

Storage:

Storage Comment:

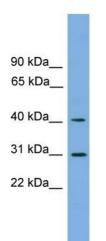
For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Images**



## **Western Blotting**

Image 1. WB Suggested Anti-HSD3B7 Antibody Titration:0.2-1 ug/ml Positive Control: OVCAR-3 cell lysate



Rabbit Anti-HSD3B7 Antibody Catalog Number: ARP49934 Lot Number: QC21685 Lane: OVCAR-3 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

## **Western Blotting**

Image 2. WB Suggested Anti-HSD3B7

Antibody Titration: 0.2-1 µg/mL

Positive Control: OVCAR-3 cell lysate