

For Research Use Only

# HSD3B2 Monoclonal antibody

Catalog Number: 67572-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 67572-1-Ig	<b>GenBank Accession Number:</b> BC038419	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 2300 µg/ml	<b>GeneID (NCBI):</b> 3284	<b>CloneNo.:</b> 2E7B4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P26439	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	
<b>Immunogen Catalog Number:</b> AG4291	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human placenta tissue, pig adrenal gland tissue, human adrenal gland tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> Human, pig	
<b>Cited Species:</b> human, mouse	

## Background Information

HSD3B2(3-beta-hydroxy-Delta(5)-steroid dehydrogenase) belongs to the 3-beta-HSD family and catalyzes the oxidation and isomerization of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, thus leading to the formation of all classes of steroid hormones. HSD3B2 is expressed almost exclusively in adrenals and gonads, whereas HSD3B1 is expressed predominantly in placenta and skin(PMID:1682237). Defects in HSD3B2 are the cause of adrenal hyperplasia type 2 (AH2).

## Notable Publications

Author	Pubmed ID	Journal	Application
Junfeng Qi	33073540	Birth Defects Res	WB
Haibo Jin	35177090	Part Fibre Toxicol	WB
Tian-Zi Wen	38490097	Pathol Res Pract	IHC

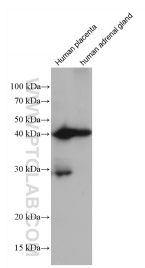
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67572-1-Ig (HSD3B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.