

For Research Use Only

HSD3B2 Monoclonal antibody

Catalog Number: 67572-1-Ig **7 Publications**



Basic Information

Catalog Number: 67572-1-Ig	GenBank Accession Number: BC038419	Purification Method: Protein A purification
Size: 150ul , Concentration: 2300 ug/ml by Nanodrop and 900 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3284	CloneNo.: 2E7B4
Source: Mouse	UNIPROT ID: P26439	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	
Immunogen Catalog Number: AG4291	Calculated MW: 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : human placenta tissue, pig adrenal gland tissue, human adrenal gland tissue
Species Specificity: human, pig	IF/ICC : A549 cells,
Cited Species: 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
Takashi Yazawa	39415787	Front Endocrinol (Lausanne)	WB

Storage

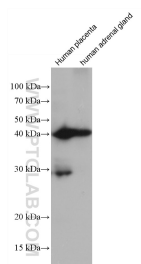
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

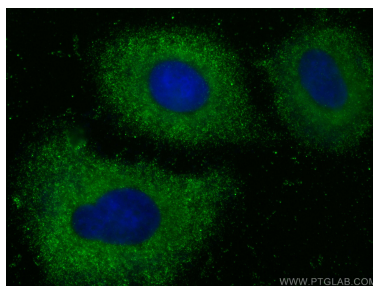
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using HSD3B2 antibody (67572-1-Ig, Clone: 2E7B4) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).