

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 G 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 the 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

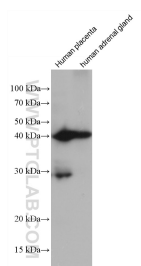
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

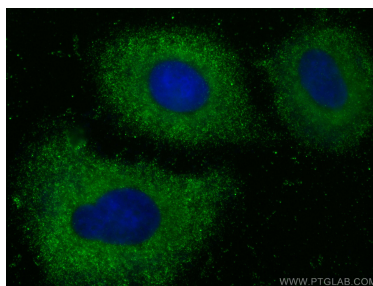
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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).