

ARG59769 anti-HSD3B1 + HSD3B2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HSD3B1 + HSD3B2
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSD3B1 + HSD3B2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-287 of Human HSD3B2 (NP_000189.1).
Conjugation	Un-conjugated
Alternate Names	3-beta-HSD adrenal and gonadal type; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type II; HSDB; EC 1.1.1.145; HSD3B; EC 5.3.3.1; 3-beta-HSD II; 5; Progesterone reductase; SDR11E2; Delta-5-3-ketosteroid isomerase; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse brain and U937	
Observed Size	47 kDa	

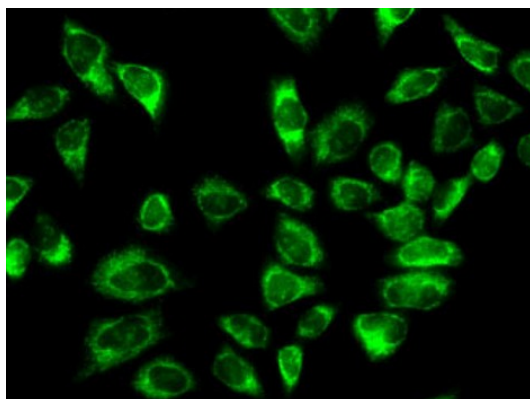
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

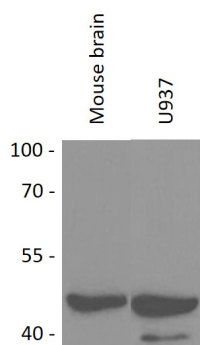
Gene Symbol	HSD3B2
Gene Full Name	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
Background	The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009]
Function	3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. [UniProt]
Calculated Mw	42 kDa
Cellular Localization	Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein. [UniProt]

Images



ARG59769 anti-HSD3B1 + HSD3B2 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG59769 anti-HSD3B1 + HSD3B2 antibody.



ARG59769 anti-HSD3B1 + HSD3B2 antibody WB image

Western blot: 25 µg of Mouse brain and U937 cell lysate stained with ARG59769 anti-HSD3B1 + HSD3B2 antibody at 1:1000 dilution.