

ARG59756 anti-HSD3B2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HSD3B2
Tested Reactivity	Hu, Mk
Predict Reactivity	Ms, Rat, Cow, Dog, Goat, Gpig, Hrs, Sheep
Tested Application	IHC-P, WB
Specificity	This antibody might cross-react to HSD3B1 protein based on sequence analysis (90%).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSD3B2
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human HSD3B2. (within the following region: GWSCSLVTGAGLLGQRIVRLVVEEKELKEIRALDKAFRPELREEFSKLQN)
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

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 85%; Dog: 93%; Goat: 85%; Guinea pig: 79%; Horse: 93%; Mouse: 79%; Rat: 86%; Sheep: 85%						
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:25</td></tr><tr><td>WB</td><td>0.2 - 1 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	1:25	WB	0.2 - 1 µg/ml
Application	Dilution						
IHC-P	1:25						
WB	0.2 - 1 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	293T						
Observed Size	~ 42 kDa						

Properties

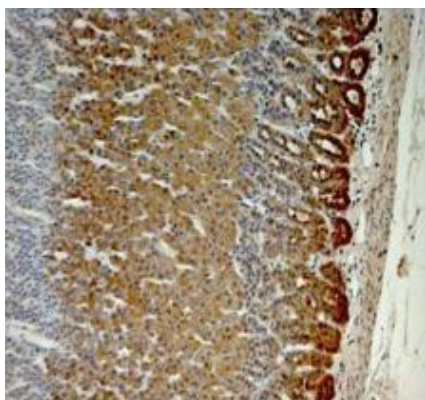
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
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 or below. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

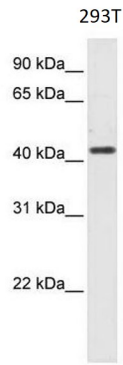
Gene Symbol	HSD3B2
Gene Full Name	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
Background	The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. 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



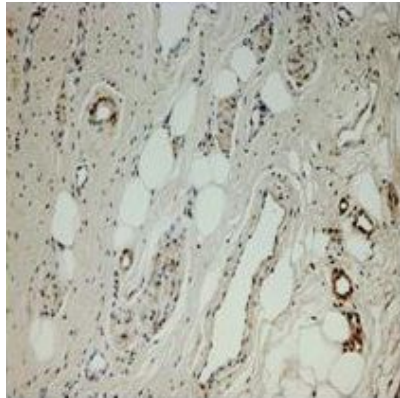
ARG59756 anti-HSD3B2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Monkey adrenal gland stained with ARG59756 anti-HSD3B2 antibody at 1:25 dilution.



ARG59756 anti-HSD3B2 antibody WB image

Western blot: 293T cell lysate stained with ARG59756 anti-HSD3B2 antibody at 0.2 - 1 $\mu\text{g}/\text{ml}$ dilution.



ARG59756 anti-HSD3B2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Monkey vagina stained with ARG59756 anti-HSD3B2 antibody at 1:25 dilution.