

Datasheet for ABIN7126449
anti-NR5A1 antibody (AA 220-461)



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Overview

Quantity:	100 µg
Target:	NR5A1
Binding Specificity:	AA 220-461
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NR5A1 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa220-461) of human SF-1 protein
Isotype:	IgG2b
Specificity:	<p>The protein encoded by this gene is a transcriptional activator involved in sex determination. The encoded protein binds DNA as a monomer. Defects in this gene are a cause of XY sex reversal with or without adrenal failure as well as adrenocortical insufficiency without ovarian defect. Steroidogenic Factor 1 (SF-1) is considered an orphan nuclear receptor that belongs to subfamily 5. It was found to be a regulator of steroidogenic enzyme gene expression.</p> <p>Oxysterols are suggested as its ligands. It is expressed in all steroidogenic tissues, including the adrenal cortex, testicular Sertoli cells, and Leydig cells, ovarian theca, hypothalamus, and anterior pituitary. SF-1 plays an important role in adrenal and gonadal development. SF-1 is highly valuable marker to determine the adrenocortical origin of an adrenal mass.</p>

Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	NR5A1
Alternative Name:	NR5A1 (NR5A1 Products)
Background:	Adrenal 4 binding protein (AD4BP), ELP, Fushi tarazu factor homolog 1 (FTZ1), Nuclear receptor AdBP4, Nuclear receptor subfamily 5 group A member 1 (NR5A1), POF7, SPGF8, SRXY3, Steroid hormone receptor Ad4BP, Steroidogenic factor 1 (SF1), Steroidogenic factor 1 nuclear receptor, STF1, Steroidogenic Factor 1 (SF-1) (Transcription Factor) Cellular localisation: Nucleus.
Molecular Weight:	53kDa
Gene ID:	2516, 495108
UniProt:	Q13285
Pathways:	Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Maintenance of Protein Location

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human testis or adrenal cortical carcinoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months