

Mouse anti-Human Steroidogenic Factor 1 (SF-1) Monoclonal Antibody | anti-NR5A1 antibody

Steroidogenic Factor 1 (SF-1) (Transcription Factor) Mouse Monoclonal Antibody [Clone NR5A1/3420]

CATALOG # AAA215667	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Steroidogenic Factor 1 (SF-1); Monoclonal Antibody; Steroidogenic Factor 1 (SF-1) (Transcription Factor) Mouse Monoclonal Antibody [Clone NR5A1/3420]; Steroidogenic Factor 1 (SF-1) (Transcription Factor); 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; anti-NR5A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	NR5A1/3420
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-NR5A1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa220-461) of human SF-1 protein
Cellular Localization	Nucleus
Positive Control	Human testis or adrenal cortical carcinoma.
Hu-chromosome Location	9q33.3
Unigene	495108
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human testis stained with SF-1 Mouse Monoclonal Antibody (NR5A1/3420) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-NR5A1 antibody	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. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20070193
NCBI GeneID	2516
NCBI Accession #	NP_004950.2
NCBI GenBank Nucleotide #	NM_004959.4
UniProt Accession #	Q13285; O15196; Q5T6F5
Molecular Weight	51,636 Da
NCBI Official Full Name	steroidogenic factor 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 5, group A, member 1
NCBI Official Symbol	NR5A1
NCBI Official Synonym Symbols	ELP; SF1; FTZ1; POF7; SF-1; AD4BP; FTZF1; SPGF8; SRXY3
NCBI Protein Information	steroidogenic factor 1; STF-1; nuclear receptor AdBP4; steroidogenic factor-1; adrenal 4 binding protein; adrenal 4-binding protein; fushi tarazu factor homolog 1; steroid hormone receptor Ad4BP; steroidogenic factor 1 nuclear receptor
UniProt Protein Name	Steroidogenic factor 1
UniProt Gene Name	NR5A1
UniProt Synonym Gene Names	AD4BP; FTZF1; SF1; SF-1; STF-1
UniProt Entry Name	STF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.