

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NR5A1



Numéro de catalogue: 18658-1-AP

11 Publications

Informations de base

Numéro de catalogue:

18658-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG13252

Numéro d'acquisition GenBank:

BC032501

Identification du gène (NCBI):

2516

Nom complet:

nuclear receptor subfamily 5, group A, member 1

MW calculé

52 kDa

MW observés:

52 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

Applications

Applications testées:

FC, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Chèvre, Humain, souris, Ondatra zibethicus

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu ovarien de souris, tissu ovarien de rat

IP : cellules A2780,

IHC : tissu ovarien humain, tissu hépatique humain, tissu testiculaire de rat

Informations générales

Steroidogenic factor-1 (SF-1, STF-1), also known as NR5A1, regulates multiple genes involved in the adrenal and gonadal development and in the biosynthesis of a variety of hormones, including adrenal and gonadal steroids, anti-Mullerian hormone (AMH), and gonadotropins. SF-1 belongs to the fushi tarazu factor-1 (FTZ-F1) subfamily of orphan nuclear receptors. Initially identified as a tissue-specific transcriptional regulator of cytochrome P450 steroid hydroxylases, research studies of both global and tissue-specific knockout mice have demonstrated that SF-1 is required for the development of adrenal glands, gonads, ventromedial hypothalamus, and for the proper functioning of pituitary gonadotropes. Indeed, humans with mutations that render SF-1 transcriptionally inactive can present with testicular failure, ovarian failure, and adrenal insufficiency. Furthermore, dysregulation of SF-1 has been linked to diseases such as endometriosis and adrenocortical carcinoma. Like other nuclear hormone receptors, SF-1 has a modular domain structure composed of an N-terminal zinc finger DNA-binding domain, a ligand-binding domain, a C-terminal AF-2 activation domain, and a hinge region with AF-1-like activation activity. SF-1 also contains a fushi tarazu factor 1 box, which functions as an accessory DNA binding domain. SF-1 is primarily phosphorylated at Ser203, which is thought to enhance its transcriptional activity by promoting complex formation with transcriptional cofactors. In addition to phosphorylation at Ser203, SF-1 is subject to SUMO conjugation and acetylation at ε-amino groups of target lysine residues. Whereas SUMOylation represses SF-1 function, acetylation enhances its transcriptional activity. In the adult ovary, SF-1 localizes to theca/interstitial cells.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wenqian Xie	32991988	J Steroid Biochem Mol Biol	IHC
Haibo Zhang	34671938	Reprod Sci	IHC
Jianlin Liang	31710289	Elife	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

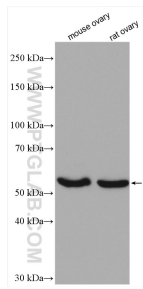
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

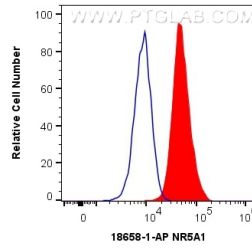
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

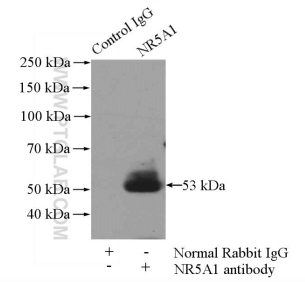
Données de validation sélectionnées



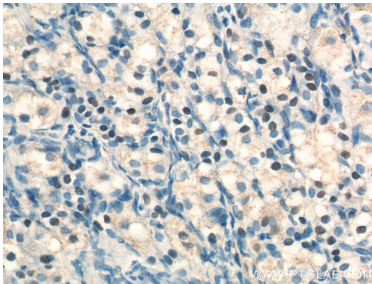
Various lysates were subjected to SDS PAGE followed by western blot with 18658-1-AP (NR5A1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.4 μ g Anti-Human NR5A1 (18658-1-AP) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



IP Result of anti-NR5A1 (IP:18658-1-AP, 4 μ g; Detection:18658-1-AP 1:300) with A2780 cells lysate 960 μ g.



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 18658-1-AP (NR5A1 Antibody) at dilution of 1:100 (under 40x lens).