Immunotag™ NR5A1 Antibody

Antibody Specification

Catalog No.	ITA3347
Product Description	Immunotag™ NR5A1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NR5A1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	NR5A1 antibody detects endogenous levels of total NR5A1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Gene Name	NR5A1
Accession No.	Q13285
Alternate Names	AD4BP; Adrenal 4 binding protein; Adrenal 4-binding protein; ELP; FTZ 1; FTZ1; FTZF 1; FTZF1; Fushi tarazu factor (Drosophila) homolog 1; Fushi tarazu factor homolog 1; hSF 1; NR5A1; Nuclear receptor AdBP4; Nuclear receptor subfamily 5 group A member 1; POF7; SF 1; SF-1; SF1; SPGF8; SRXY3; Steroid hormone receptor Ad4BP; Steroidogenic factor 1; Steroidogenic factor 1 nuclear receptor; STF 1; STF-1; STF1; STF1_HUMAN;

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Description	Transcriptional activator. Essential for sexual differentiation and formation of the primary steroidogenic tissues (PubMed:27378692). Binds to the Ad4 site found in the promoter region of steroidogenic P450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the AMH/Muellerian inhibiting substance gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus sequences for the recognition by NR5A1 (PubMed:27378692). The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Binds phosphatidylcholine (By similarity). Binds phospholipids with a phosphatidylinositol (PI) headgroup, in particular PI(3,4)P2 and PI(3,4,5)P3. Activated by the phosphorylation of NR5A1 by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	55 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.