

Anti-NR6A1 Antibody

Catalog # AP95979

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q15406
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	54383

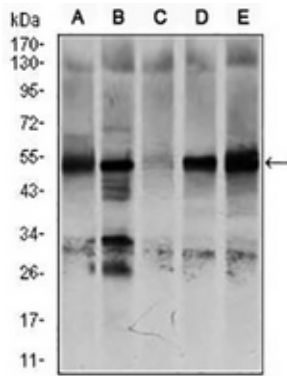
Additional Information

Gene ID	2649
Other Names	GCNF; Nuclear receptor subfamily 6 group A member 1; Germ cell nuclear factor; GCNF; hGCNF; Retinoid receptor-related testis-specific, receptor; RTR; hRTR
Target/Specificity	Recombinant fusion protein of human NR6A1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

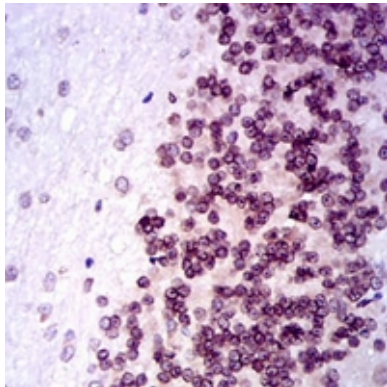
Protein Information

Name	NR6A1
Synonyms	GCNF {ECO:0000303 PubMed:26769970}
Function	Orphan nuclear receptor that binds to a response element containing the sequence 5'-TCAAGGTCA-3' (PubMed: 26769970). Acts as a regulator of embryonic stem cell pluripotency by mediating repression of POU5F1/OCT4; binds to the DR0 element within the POU5F1/OCT4 promoter and inhibits POU5F1/OCT4 expression during embryonic stem cell differentiation (PubMed: 26769970). Involved in the regulation of gene expression in germ cell development during gametogenesis (By similarity).
Cellular Location	Nucleus
Tissue Location	Shows highest expression in the germ cells of the adult testis.

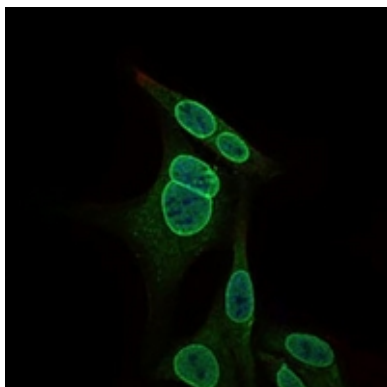
Images



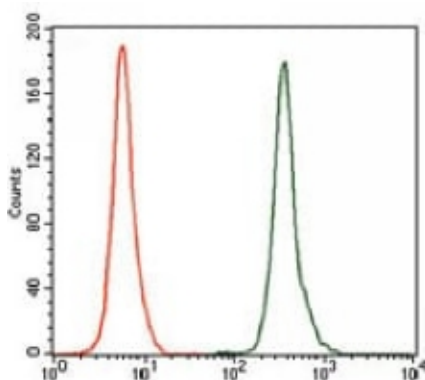
Western blot analysis of NR6A1 expression in K562 (A), NTERA2 (B), HEK293 (C), HUVE12 (D), HeLa (E) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunohistochemical analysis of NR6A1 staining in human cerebellum formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NR6A1 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of K562 cells using Anti-NR6A1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.