

RTR (2B11) Mouse mAb

Catalog # AP53512

Product Information

Application	WB, IHC-P, IF, FC, ICC
Primary Accession	Q15406
Reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Isotype	IgG1
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human NR6A1 expressed in E. Coli.
Purification	Affinity Purified
Calculated MW	54383

Additional Information

Gene ID	2649
Other Names	RTR; GCNF; NR61; GCNF1
Dilution	WB~~1:3000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~1:200
Format	Liquid in Purified antibody in PBS with 0.05% sodium azide.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

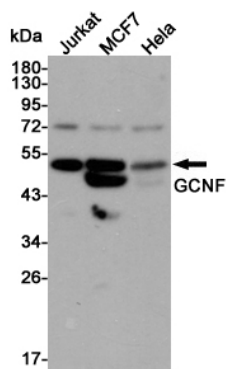
Protein Information

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.

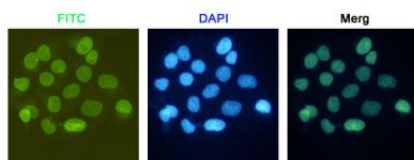
Background

Swiss-Prot Acc.Q15406.This gene encodes an orphan nuclear receptor which is a member of the nuclear hormone receptor family. Its expression pattern suggests that it may be involved in neurogenesis and germ cell development. The protein can homodimerize and bind DNA, but in vivo targets have not been identified. The gene expresses at least alternatively spliced transcript variants.

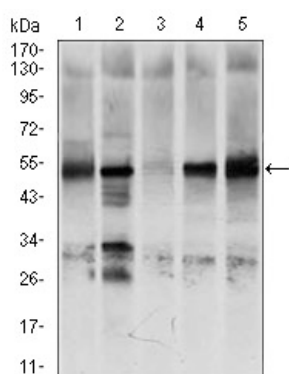
Images



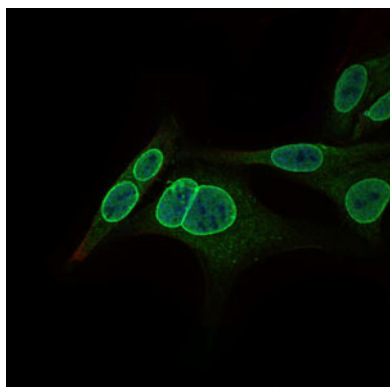
Western blot detection of GCNF in Jurkat, MCF7 and HeLa cell lysates using GCNF mouse mAb (1:3000 diluted). Predicted band size: 54 kDa. Observed band size: 54 kDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-GCNF mouse mAb (dilution 1:200).

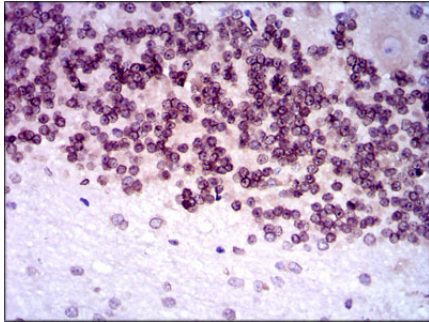
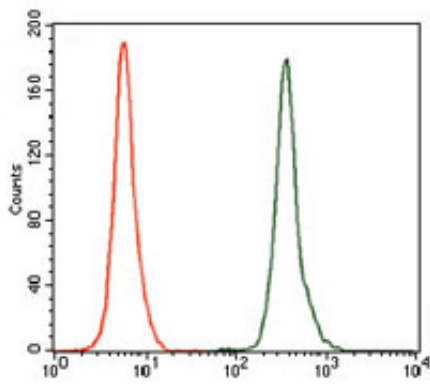


Western blot analysis using NR6A1 mouse mAb against K562 (1), NTERA-2 (2), HEK293 (3), HUVE-12 (4), and HeLa (5) cell lysate.

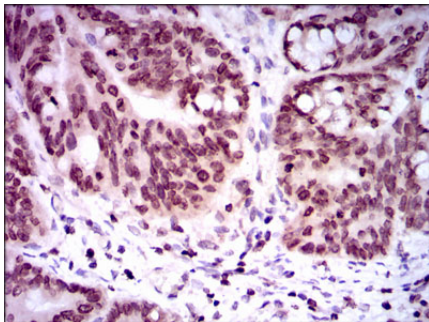


Immunofluorescence analysis of HepG2 cells using NR6A1 mouse mAb (green). Blue

Flow cytometric analysis of K562 cells using NR6A1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cerebellum tissues using NR6A1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using NR6A1 mouse mAb with DAB staining.

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