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Product datasheet for AM31015PU-N

NR2C2 Mouse Monoclonal Antibody [Clone ID: 2A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2A5
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA**. **Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot**.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NR2C2 antibody was raised against recombinant protein
Specificity:	This antibody reacts to NR2C2.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nuclear receptor subfamily 2 group C member 2
Database Link:	Entrez Gene 7182 Human P49116

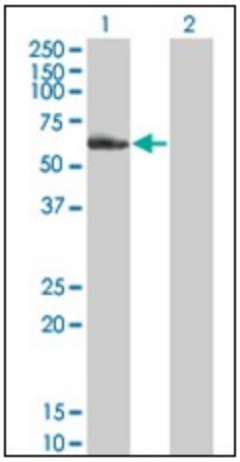
View online »

Background: TR4 is a NR2 Hepatocyte NF4-Like nuclear hormone receptor and transcription factor related to the orphan receptors TR2, COUP-TFI, and ARP-1. TR4 has been shown to affect the proliferation and maturation of brain structures, neurogenesis, the regulation of myeloid progenitor cell proliferation and development, and retinoid-mediated signaling pathways. TR4 binds to target DNA as a homodimer or a monomer, and has been shown to affect transcription of ciliary neurotrophic factor receptor (CNTFR alpha), luteinizing hormone receptor, and human steroid 21-hydroxylase genes. During development, the expression of TR4 in human and rat brain correlates with the progression of neuronal maturation. TR4 becomes progressively restricted to the hypothalamus and cerebellum in older embryos and adults. Recently, it has been shown that TR4 can suppress estrogen receptor function via direct protein-protein interaction. Three rat and two human TR4 mRNA splice variants have been documented.

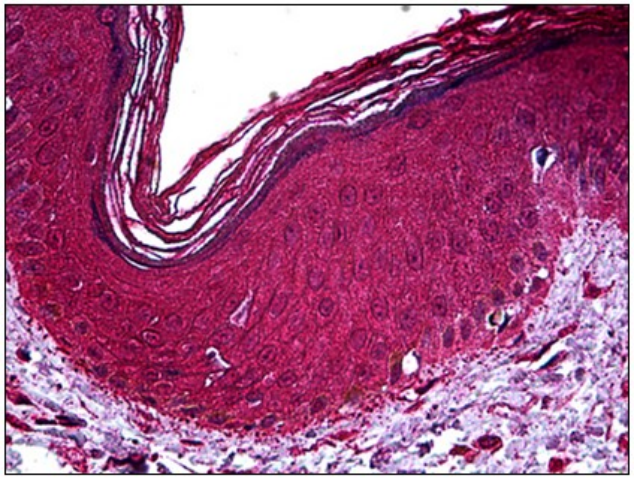
Synonyms: TAK1, TR4

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:



Western Blot analysis of NR2C2 expression in transfected 293T cell line by NR2C2 monoclonal antibody clone 2A5.



Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)