

KD-Validated Anti-NR2C2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1622

Product Information

Application	WB, FC, ICC
Primary Accession	P49116
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB730
Calculated MW	65414
Gene Name	NR2C2
Aliases	Nuclear Receptor Subfamily 2 Group C Member 2; TAK1; TR4; Orphan Nuclear Receptor TAK1; Orphan Nuclear Receptor TR4; TR2R1; HTAK1; Nuclear Receptor Subfamily 2, Group C, Member 2; Testicular Nuclear Receptor 4; Nuclear Hormone Receptor TR4; Testicular Receptor 4; Orphan Receptor TR4
Immunogen	A synthesized peptide derived from human NR2C2 / TR4

Additional Information

Gene ID	7182
Other Names	Nuclear receptor subfamily 2 group C member 2, Orphan nuclear receptor TAK1, Orphan nuclear receptor TR4, Testicular receptor 4, NR2C2, TAK1, TR4

Protein Information

Name	NR2C2
Synonyms	TAK1, TR4
Function	Orphan nuclear receptor that can act as a repressor or activator of transcription. An important repressor of nuclear receptor signaling pathways such as retinoic acid receptor, retinoid X, vitamin D3 receptor, thyroid hormone receptor and estrogen receptor pathways. May regulate gene expression during the late phase of spermatogenesis. Together with NR2C1, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription including that of GATA1. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences. Plays a fundamental role in early embryonic development and embryonic stem cells. Required for normal spermatogenesis and cerebellum development. Appears to be important for neurodevelopmentally regulated behavior (By similarity). Activates transcriptional activity of LHCG. Antagonist of PPARA-mediated transactivation.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407,
ECO:0000269|PubMed:10644740, ECO:0000269|PubMed:15302918}

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