

NR2C2 / TR4 Antibody

Rabbit mAb

Catalog # AP93141

Product Information

Application	WB
Primary Accession	P49116
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	hTAK1; Nr2c2; Nuclear hormone receptor TR4; Nuclear receptor subfamily 2 group C member 2; Orphan nuclear receptor TAK1; Orphan nuclear receptor TR4; TAK1; Testicular nuclear receptor 4; Testicular receptor 4; TR2R1; TR4; TR4 nuclear hormone receptor;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	65414

Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NR2C2 / TR4
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

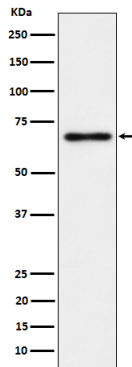
Name	NR2C2
Synonyms	TAK1, TR4
Function	Orphan nuclear receptor that can act as a repressor or activator of transcription. An important repressor of nuclear receptor signaling pathways such as retinoic acid receptor, retinoid X, vitamin D3 receptor, thyroid hormone receptor and estrogen receptor pathways. 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}

Images



Western blot analysis of NR2C2/TR4 expression in PC-3 cell lysate.

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