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NR2C1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16146b

Specification

NR2C1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P13056

NR2C1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7181

Other Names
Nuclear receptor subfamily 2 group C member 1, Orphan nuclear receptor TR2, Testicular receptor 2, NR2C1, TR2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NR2C1 Antibody (C-term) Blocking Peptide - Protein Information

Name NR2C1

Synonyms TR2

Function
Orphan nuclear receptor. Binds the IR7 element in the promoter of its own gene in an autoregulatory negative feedback mechanism. Primarily repressor of a broad range of genes. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences. Together with NR2C2, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription. Also activator of OCT4 gene expression. May be involved in stem cell proliferation and differentiation. Mediator of retinoic acid-regulated preadipocyte proliferation.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407}. Nucleus, PML body. Note=Recruited by HDAC3, after all- trans retinoic acid stimulated MAPK1-mediated Thr-223 phosphorylation, to PML bodies for subsequent sumoylation.

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NR2C1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

NR2C1 Antibody (C-term) Blocking Peptide - Images

NR2C1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a nuclear hormone receptor characterizedby a highly conserved DNA binding domain (DBD), a variable hingeregion, and a carboxy-terminal ligand binding domain (LBD) that istypical for all members of the steroid/thyroid hormone receptorsuperfamily. This protein also belongs to a large family ofligand-inducible transcription factors that regulate geneexpression by binding to specific DNA sequences within promoters oftarget genes. Multiple alternatively spliced transcript variantshave been described, but the full-length nature of some of thesevariants has not been determined.

NR2C1 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Lin, Y.L., et al. Biochem. Biophys. Res. Commun. 350(2):430-436(2006)Li, G., et al. Biochem. Biophys. Res. Commun. 310(2):384-390(2003)Mu, X., et al. Prostate 57(2):129-133(2003)Franco, P.J., et al. Mol. Endocrinol. 15(8):1318-1328(2001)