

**NR2C2 / TAK1 Antibody (clone 2A5)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14165****Specification**

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**NR2C2 / TAK1 Antibody (clone 2A5) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P49116</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	65kDa KDa

**NR2C2 / TAK1 Antibody (clone 2A5) - 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

**Target/Specificity**

Human NR2C2

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

NR2C2 / TAK1 Antibody (clone 2A5) is for research use only and not for use in diagnostic or therapeutic procedures.

**NR2C2 / TAK1 Antibody (clone 2A5) - 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

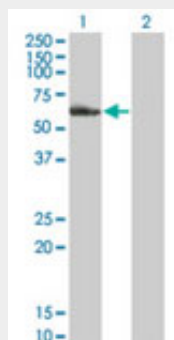
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:10644740, ECO:0000269|PubMed:15302918}

### NR2C2 / TAK1 Antibody (clone 2A5) - Protocols

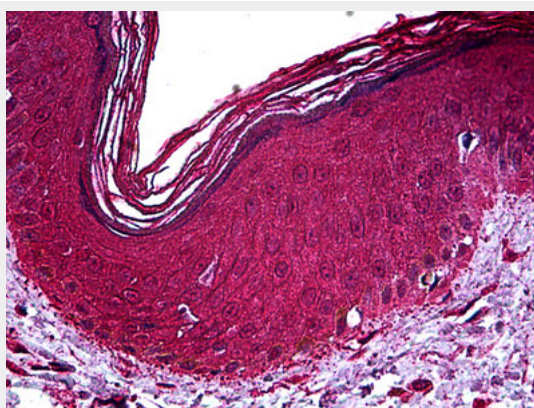
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NR2C2 / TAK1 Antibody (clone 2A5) - Images



Western blot of NR2C2 expression in transfected 293T cell line by NR2C2 monoclonal antibody...



Anti-NR2C2 antibody IHC of human skin.

### NR2C2 / TAK1 Antibody (clone 2A5) - Background

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#### **NR2C2 / TAK1 Antibody (clone 2A5) - References**

Hirose T.,et al.Mol. Endocrinol. 8:1667-1680(1994).  
Chang C.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:6040-6044(1994).  
Kobayashi T.,et al.FEBS Lett. 582:2737-2744(2008).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Muzny D.M.,et al.Nature 440:1194-1198(2006).