

**NR2F6 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16861a****Specification**

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**NR2F6 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P10588](#)**NR2F6 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2063**Other Names**

Nuclear receptor subfamily 2 group F member 6, V-erbA-related protein 2, EAR-2, NR2F6, EAR2, ERBAL2

**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.

**NR2F6 Antibody (N-term) Blocking Peptide - Protein Information****Name** NR2F6**Synonyms** EAR2, ERBAL2**Function**

Transcription factor predominantly involved in transcriptional repression. Binds to promoter/enhancer response elements that contain the imperfect 5'-AGGTCA-3' direct or inverted repeats with various spacings which are also recognized by other nuclear hormone receptors. Involved in modulation of hormonal responses. Represses transcriptional activity of the lutropin-choriogonadotropic hormone receptor/LHCGR gene, the renin/REN gene and the oxytocin-neurophysin/OXT gene. Represses the triiodothyronine- dependent and -independent transcriptional activity of the thyroid hormone receptor gene in a cell type-specific manner. The corepressing function towards thyroid hormone receptor beta/THRB involves at least in part the inhibition of THRB binding to triiodothyronine response elements (TREs) by NR2F6. Inhibits NFATC transcription factor DNA binding and subsequently its transcriptional activity. Acts as transcriptional repressor of IL-17 expression in Th-17 differentiated CD4(+) T cells and may be involved in induction and/or maintenance of peripheral immunological tolerance and autoimmunity. Involved in development of forebrain circadian clock; is required early in the development of the locus coeruleus (LC).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:10644740, ECO:0000269|PubMed:18701084}

**Tissue Location**

Expressed in heart, placenta, liver, skeletal muscle, kidney and pancreas.

**NR2F6 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NR2F6 Antibody (N-term) Blocking Peptide - Images****NR2F6 Antibody (N-term) Blocking Peptide - Background**

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**NR2F6 Antibody (N-term) Blocking Peptide - References**

Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Liu, X., et al. Circ. Res. 92(9):1033-1040(2003)Zhu, X.G., et al. Mol. Cell. Biol. 20(7):2604-2618(2000)Zhang, Y., et al. J. Biol. Chem. 275(4):2763-2770(2000)