

**EAR2 / NR2F6 Antibody (Ligand-binding Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10829****Specification**

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**EAR2 / NR2F6 Antibody (Ligand-binding Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">P10588</a>
Reactivity	Human, Mouse, Zebrafish, Hamster, Monkey, Pig, Xenopus, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

**EAR2 / NR2F6 Antibody (Ligand-binding Domain) - 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

**Target/Specificity**

Human NR2F6. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

EAR2 / NR2F6 Antibody (Ligand-binding Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**EAR2 / NR2F6 Antibody (Ligand-binding Domain) - 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 THRβ 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.

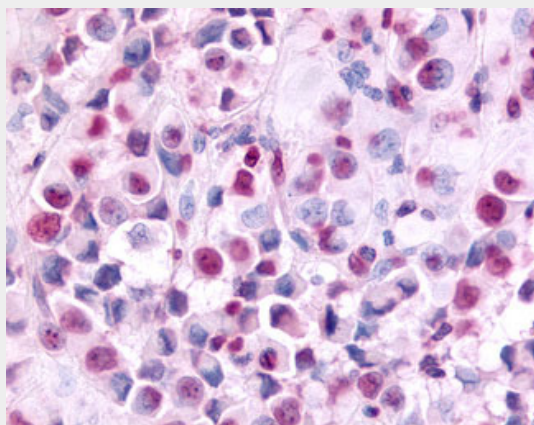
**Volume**

50 µl

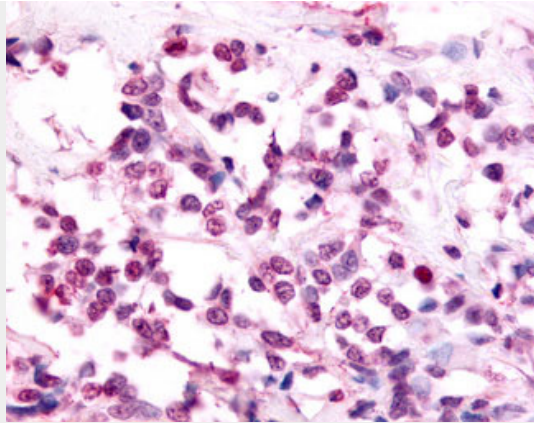
**EAR2 / NR2F6 Antibody (Ligand-binding Domain) - Protocols**

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](#)

**EAR2 / NR2F6 Antibody (Ligand-binding Domain) - Images**

Anti-EAR2 / NR2F6 antibody IHC of human Skin, Melanoma.



Anti-EAR2 / NR2F6 antibody IHC of human Breast, Carcinoma.

#### **EAR2 / NR2F6 Antibody (Ligand-binding Domain) - Background**

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).

#### **EAR2 / NR2F6 Antibody (Ligand-binding Domain) - References**

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