

Product datasheet

Anti-NR2F6/EAR-2 antibody ab65012

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Overview

Product name	Anti-NR2F6/EAR-2 antibody
Description	Rabbit polyclonal to NR2F6/EAR-2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p>
Purity	Without Mg ²⁺ and Ca ²⁺
Clonality	Immunogen affinity purified
Isotype	Polyclonal
	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab65012 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/500 - 1/1000.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB		1/500 - 1/1000. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).

Target

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).

Tissue specificity

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

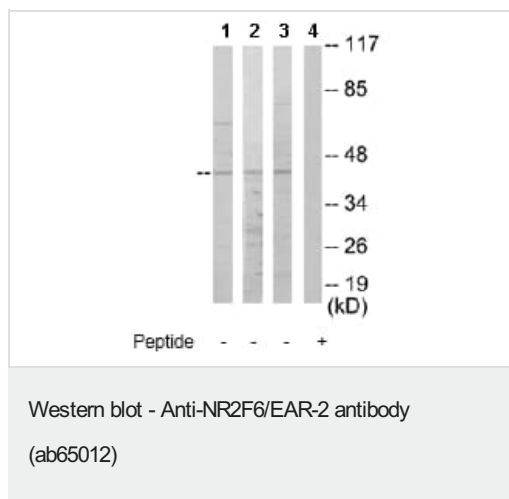
Sequence similarities

Belongs to the nuclear hormone receptor family. NR2 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Cellular localization

Nucleus.

Images



All lanes : Anti-NR2F6/EAR-2 antibody (ab65012) at 1/500 dilution

Lane 1 : HeLa cell extract at 10-30µg

Lane 2 : 293 cell extract at 10-30µg

Lane 3 : HUVEC cell extract at 10-30µg

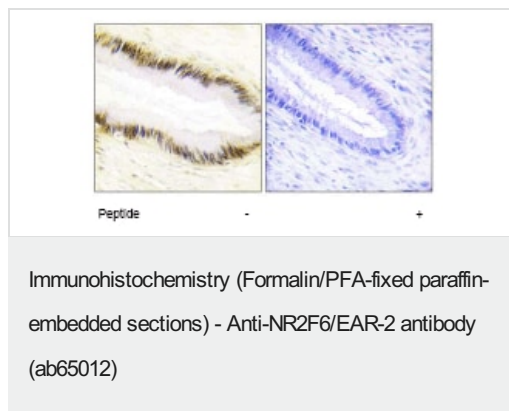
Lane 4 : HUVEC cell extract at 10-30µg with immunizing peptide at 5-10µg

Predicted band size: 43 kDa

Observed band size: 43 kDa



ab65012 at 1/500 - 1/1000 dilution staining NR2F6/EAR-2 in HepG2 cells by Immunofluorescence, in the absence or presence of the immunising peptide.



ab65012 at 1/50 - 1/100 dilution staining human cervix carcinoma in NR2F6/EAR-2 by Immunohistochemistry, Paraffin-embedded tissue, in the absence or presence of the immunising peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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