

Datasheet for 600-401-BC0**ESRRB Antibody****Overview**

Description:	Anti-ESRRB (RABBIT) Antibody - 600-401-BC0
Item No.:	600-401-BC0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The estrogen-related receptor beta (ESRRB) was initially identified in mouse embryonic carcinoma stem cells and was found to be expressed exclusively in trophoblast progenitor cells between days 6.5 and 7.5 post coitum. Recent studies have shown that ESRRB is part of an POU5F1/Oct4-centered protein interaction network in embryonic stem (ES) cells. It is thought to interact with other ES transcription factors such as NANOG within this network, activating POU5F1 transcription and thereby sustaining self-renewal and pluripotency in ES cells.
Synonyms:	ESRRB Antibody, ERR2, ERRb, ESRL2, NR3B2, DFNB35, ERRB2, Steroid hormone receptor ERR2, ERR beta-2, ERR-beta
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ESRRB
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ESRRB antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human ESRRB.

Purity/Specificity: Anti-ESRRB Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ESRRB from other sources has not been determined.

Relevant Links:

- [UniProtKB - O95718](#)
- [GeneID - 2103](#)
- [NCBI - NP_004443](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ESRRB Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 56 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 5 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

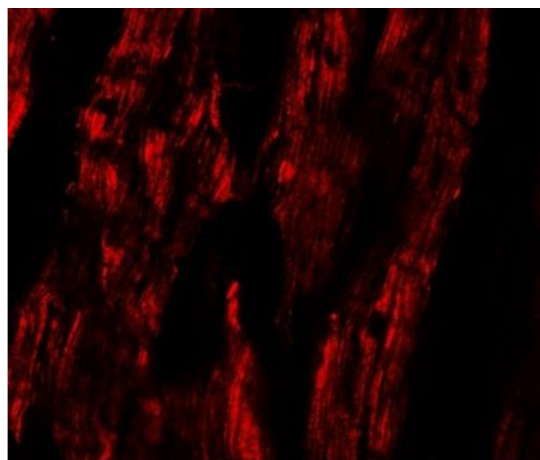
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

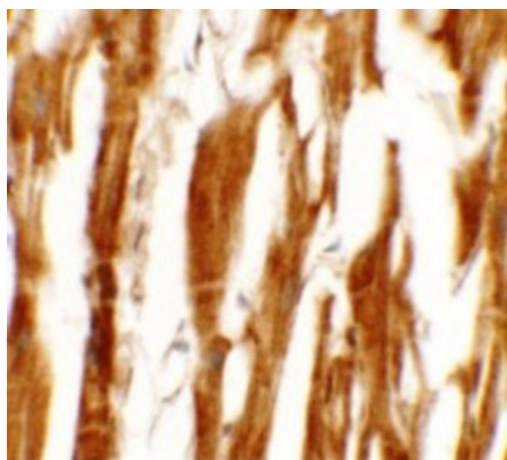
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of ESRRB.

Tissue: human heart tissue.

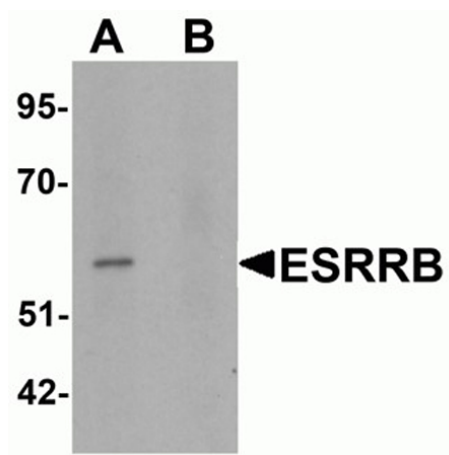
Primary Antibody: ESRRB antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of ESRRB.

Tissue: human heart tissue.

Primary Antibody: ESRRB antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of ESRRB.

Load: human heart tissue lysate.

Primary Antibody: ESRRB antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.