



[Go to Product page](#)

Datasheet for ABIN349600

anti-THRB antibody (Isoform 1, N-Term)

2 Images

3 Publications

Overview

Quantity:	100 µg
Target:	THRB
Binding Specificity:	Isoform 1, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THRB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the of human THRB protein.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	THRB
Alternative Name:	Thyroid Hormone Receptor beta 1 (THRB Products)

Target Details

Background: Anti-Thyroid Hormone Receptor β 1 (TRB1) antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Defects in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). This TRB1 antibody is ideal for Immunology, Thyroid and Signal Transduction research.

Synonyms: Thyroid hormone receptor beta TRB1 TR beta signaling c-erbA-beta c-erbA-2 Nuclear receptor subfamily 1 group A member 2

Gene ID: 7068, 40806162

UniProt: [P10828](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Sensory Perception of Sound](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blotting.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Publications

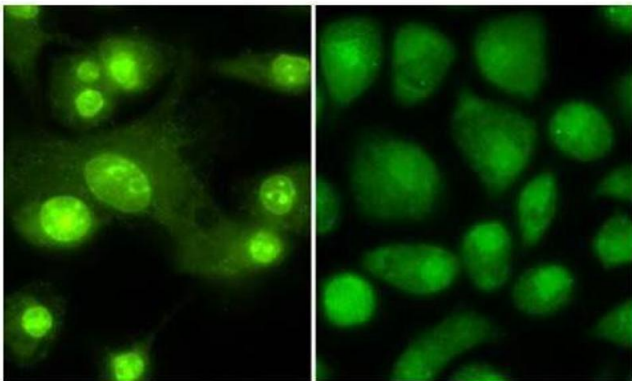
Product cited in:

Fozzatti, Park, Zhao, Willingham, Cheng: "Oncogenic Actions of the Nuclear Receptor Corepressor (NCOR1) in a Mouse Model of Thyroid Cancer." in: **PLoS ONE**, Vol. 8, Issue 6, pp. e67954, (2017) ([PubMed](#)).

Zhao, Zhu, Won Park, Fozzatti, Willingham, Cheng: "Role of TSH in the spontaneous development of asymmetrical thyroid carcinoma in mice with a targeted mutation in a single allele of the thyroid hormone- β receptor." in: **Endocrinology**, Vol. 153, Issue 10, pp. 5090-100, (2012) ([PubMed](#)).

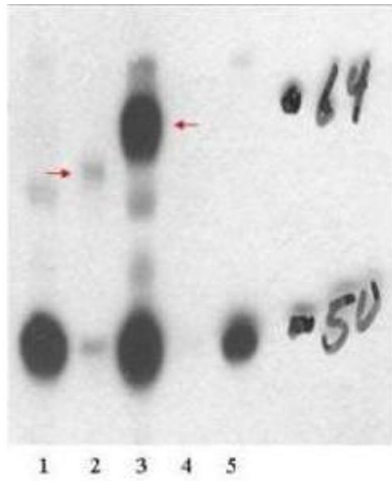
Mascanfroni, Montesinos, Alamino, Susperreguy, Nicola, Illarregui, Masini-Repiso, Rabinovich, Pellizas: "Nuclear factor (NF)-kappaB-dependent thyroid hormone receptor beta1 expression controls dendritic cell function via Akt signaling." in: **The Journal of biological chemistry**, Vol. 285, Issue 13, pp. 9569-82, (2010) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescence microscopy anti -THR β 1 (Thyroid hormone receptor Beta 1) antibody Tissue: Mouse Dendritic cells Primary antibody: Anti THR β 1 1:100 1 hr PBS 3% BSA (left) Normal rabbit IgG isotype control (right) Secondary Ab: 488 dye conjugate 1:1000 1 hr Mounting: Fluoromount-G (Southern Biotechnology Associates, Birmingham, AL) for examination. This image appeared originally in Mascanfroni, Ivan D ; del Mar Montesinos M; Alamino Vanina A. ; Susperreguy S, Nicola JP, Illarregui JM, Masini-Repiso AM, Rabinovich GA, Pellizas CG (2010) Nuclear Factor (NF)-kappa B-dependent Thyroid Hormone Receptor beta(1) Expression Controls Dendritic Cell Function via Akt Signaling. Journal of Biological Chemistry 285 (13), 9569-9582. DOI: 10.1074/jbc.M109.071241 Published: MAR 26 2010. Copyright © 2010, by the American Society for Biochemistry and Molecular Biology



Western Blotting

Image 2.