Datasheet for ABIN2780344

anti-THRB antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	THRB
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THRB antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human THRB
Sequence:	MTPNSMTENG LTAWDKPKHC PDREHDWKLV GMSEACLHRK SHSERRSTLK
Predicted Reactivity:	Dog: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against THRB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	THRB
Alternative Name:	THRB (THRB Products)

Target Details

Background:	THRB 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). Several transcript variants have been observed for this gene, but the full-length nature of only one has been determined so far. 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. Mutations 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). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. Alias Symbols: ERBA-BETA, ERBA2, GRTH, MGC126109, MGC126110, NR1A2, THR1, THRB1, THRB2, PRTH, C-ERBA-2, C-ERBA-BETA Protein Interaction Partner: NSD1, NCOA1, RANBP9, NCOR1, RXRA, THRB, MMS19, ADAT3, NCOA2, C1D, NCOA3, ATF2, ANP32A, SUMO1, SUMO2, ROBO4, MED21, HMGN3, EIF3I, NRIP1, RXRG, RXRB, CAMK2B, TBL1XR1, NCOR2, HDAC3, SMC1A, XRCC5, TBL1X, PRKDC, LIG3, HSPA4, GPS2, XRCC6, PARP1, LRIF1, SRC, PSM Protein Size: 461
Molecular Weight:	53 kDa
Gene ID:	7068
NCBI Accession:	NM_000461, NP_000452
UniProt:	P10828
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 461 AA

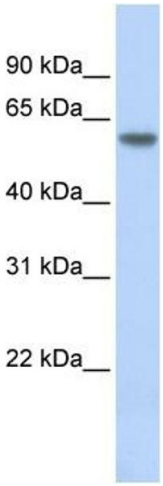
Application Details

Restrictions:	For Research Use only

Handling

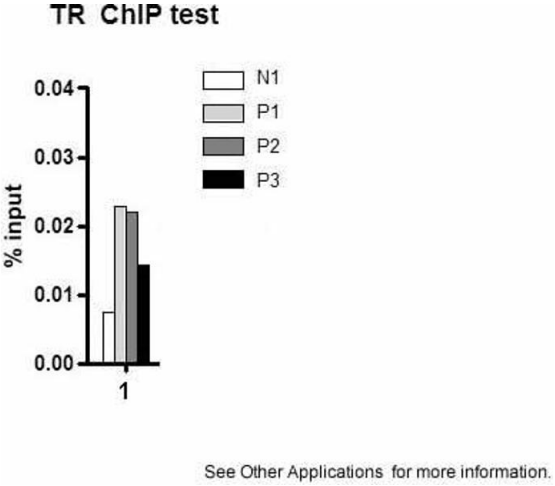
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-THRB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain



See Other Applications for more information.

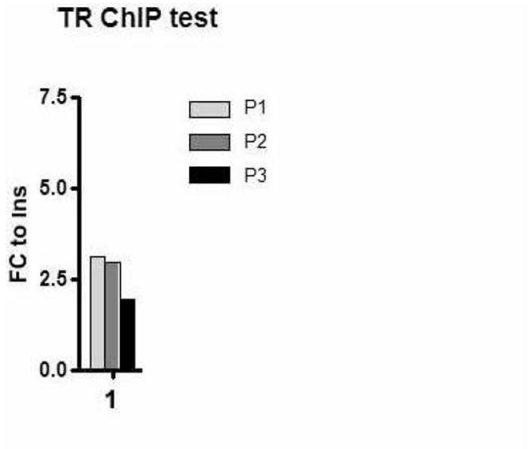
Image 2. Application: ChIP

Sample type: mouse liver tissue

Chromatin Used: 100ug tissue

Antibody Used: 10ug

Image Submitted by: Joanna DiSpirito, University of Pennsylvania



See Other Applications 2 for more information.

Image 3.