

Rabbit THRB Polyclonal Antibody | anti-THRB antibody

THRB Antibody

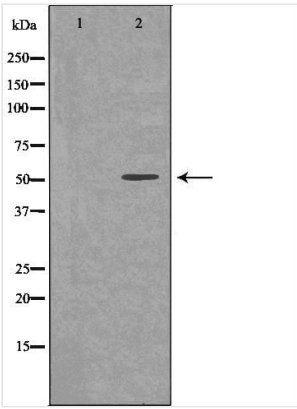
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326245	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

THRB; Polyclonal Antibody; THRB Antibody; Avian erythroblastic leukemia viral (v erb a) oncogene homolog 2; C ERBA 2; C ERBA BETA; c-erbA-2; c-erbA-beta; ERBA 2; ERBA BETA; ERBA2; Erythroblastic leukemia viral (v erb a) oncogene homolog 2 avian; generalized resistance to thyroid hormone; GRTH; MGC126109; MGC126110; NR1A2; Nuclear receptor subfamily 1 group A member 2; Oncogene ERBA2; PRTH; THB_HUMAN; THR1; THRB 1; THRB 2; thrB; THRB1; THRB2; Thyroid hormone nuclear receptor beta variant 1; Thyroid hormone receptor beta 1; Thyroid hormone receptor beta 2; Thyroid hormone receptor beta; Thyroid hormone receptor; beta (erythroblastic leukemia viral (v erb a) oncogene homolog 2; avian); anti-THRB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	THRB antibody detects endogenous levels of total THRB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	461
Applicable Applications for anti-THRB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human THRB
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (88%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



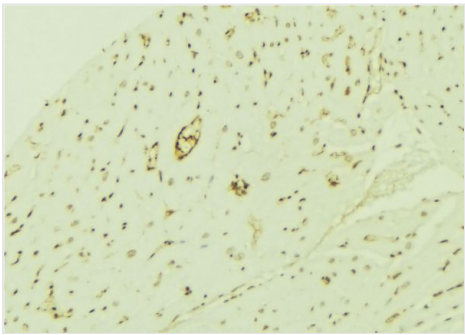
WB (Western Blot)

Western blot analysis of extracts of mouse muscle, using THRβ antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326245 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA326245 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-THRβ antibody

Description: 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. [provided by RefSeq, Jul 2008]
Function: Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.
Subunit Structure: Binds DNA as a dimer; homodimer and heterodimer with RXRA. Interacts with the coactivators NCOA1/SRC1, NCOA2/GRIP1, NCOA7 and MED1/TRAP220 in a ligand-inducible manner. Interacts with the corepressor NCOR1 in absence of ligand. Interacts with C1D (By similarity). Interacts with NR2F6; the interaction impairs the binding of the THRβ homodimer and THRβ:RXRB heterodimer to T3 response elements. Interacts with PRMT2 and THRSP.
Similarity: Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain. Belongs to the nuclear hormone receptor family. NR1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40806162
NCBI GeneID	7068

NCBI Accession #	NP_000452.2
NCBI GenBank Nucleotide #	NM_000461.4
UniProt Accession #	P10828 ; P37243 ; Q13986 ; Q3KP35 ; Q6WGL2 ; Q9UD41 ; B3KU79
Molecular Weight	Observed: 53 kDa Predicted: 53 kDa
NCBI Official Full Name	thyroid hormone receptor beta isoform a
NCBI Official Synonym Full Names	thyroid hormone receptor beta
NCBI Official Symbol	THRB
NCBI Official Synonym Symbols	GRTH; PRTH; THR1; ERBA2; NR1A2; THRB1; THRB2; C-ERBA-2; C-ERBA-BETA
NCBI Protein Information	thyroid hormone receptor beta
UniProt Protein Name	Thyroid hormone receptor beta
UniProt Gene Name	THRB
UniProt Synonym Gene Names	ERBA2; NR1A2; THR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/thrb-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326245>