



# Anti-Thyroid Hormone Receptor Alpha 1/2 monoclonal antibody, clone 2103 (CABT-51635MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Product Overview** This product recognises the alpha 1 and alpha 2 isoforms of thyroid hormone receptor, one of several receptors for thyroid hormone. The thyroid hormone receptors, in association with the thyroid hormones, are responsible for the regulation of metabolism and heart rate and play a critical role in the development of the central nervous system. Thyroid hormone receptor alpha has high affinity for triiodothyronine (T3). Western Blotting detects two bands of approximately 50kDa (alpha 1) and 58kDa (alpha 2) in hippocampal lysate.

<b>Specificity</b>	THYROID HORMONE RECEPTOR ALPHA 1/2
<b>Immunogen</b>	Peptide corresponding to amino acid residues from the N-terminal region of human thyroid hormone receptor, alpha1/alpha2 isotype.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Dog, Mouse, Rat
<b>Clone</b>	2103
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µl
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Warnings</b>	For research purposes only

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">THRA thyroid hormone receptor, alpha [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	THRA
<b>Synonyms</b>	THRA; thyroid hormone receptor, alpha; AR7; EAR7; ERBA; CHNG6; ERBA1; NR1A1; THRA1; THRA2; ERB-T-1; c-ERBA-1; thyroid hormone receptor alpha; EAR-7; c-erbA-alpha; ERBA-related 7; V-erbA-related protein 7; triiodothyronine receptor; nuclear receptor subfam
<b>Entrez Gene ID</b>	<a href="#">7067</a>
<b>Protein Refseq</b>	<a href="#">NP_001177847</a>
<b>UniProt ID</b>	P10827
<b>Chromosome Location</b>	17q11.2
<b>Pathway</b>	Endochondral Ossification; Gene Expression; Generic Transcription Pathway; Neuroactive ligand-receptor interaction; Nuclear Receptor transcription pathway; Nuclear Receptors; Thyroid hormone signaling pathway;
<b>Function</b>	TBP-class protein binding; chromatin DNA binding; protein binding; protein complex binding; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; steroid receptor RNA activator RNA binding; thyroid hormone binding; thyroid hormone receptor activity; transcription factor binding; transcription regulatory region DNA binding; zinc ion binding;