



Anti-THRA monoclonal antibody, clone 2829 (DCABH-201583)

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

PRODUCT INFORMATION

Antigen 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. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Specificity	Specific for the ~50k THRA and the ~58k TGFB1 proteins.
Immunogen	A synthetic peptide corresponding to N-terminus human THRA.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Dog, Human, Mouse, Rat
Clone	2829
Purification	Protein G purification
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µl
Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)
Preservative	None

Storage

Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	THRA thyroid hormone receptor, alpha [Homo sapiens (human)]
Official Symbol	THRA
Synonyms	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 subfamily 1 group A member 1; thyroid hormone nuclear receptor alpha variant 1; thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian);
Entrez Gene ID	7067
Protein Refseq	NP_001177847
UniProt ID	P10827
Chromosome Location	17q11.2
Pathway	Endochondral Ossification; Gene Expression; Generic Transcription Pathway; Neuroactive ligand-receptor interaction; Nuclear Receptor transcription pathway; Nuclear Receptors; Thyroid hormone signaling pathway;
Function	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 binding; thyroid hormone receptor activity; transcription factor binding; transcription regulatory region DNA binding; zinc ion binding;
References	Region-specific effects of hypothyroidism on the relative expression of thyroid hormone receptors in adult rat brain. Constantinou C, Margarity M, Valcana T. Mol Cell Biochem. 2005 Oct; 278(1-2):93-100. Thyroid hormones affect neurogenesis in the dentate g