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Immunotag™ TRα Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4755
Product Description	Immunotag™ TRα Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TRα
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from TRα, at AA range: 10-90
Specificity	TRα Polyclonal Antibody detects endogenous levels of TRα protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	THRA
Accession No.	P10827 P63058 P63059
Alternate Names	THRA; EAR7; ERBA1; NR1A1; THRA1; THRA2; Thyroid hormone receptor alpha; Nuclear receptor subfamily 1 group A member 1; V-erbA-related protein 7; EAR-7; c-erbA-1; c-erbA-alpha

Antibody Specification

Description	thyroid hormone receptor, alpha(THRA) Homo sapiens 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. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Neuroactive ligand-receptor interaction,
Protein Expression	Brain,Brain cortex,Hippocampus,Kidney,Muscle,Testis,
Subcellular Localization	nucleus,nucleoplasm,cytosol,
Protein Function	domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,function:Nuclear hormone receptor. High affinity receptor for triiodothyronine.,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Interacts with NCOA3 and NCOA6 coactivators, leading to a strong increase of transcription of target genes. Probably interacts with SFPQ. Interacts with C1D (By similarity). Interacts with AKAP13.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.