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Product datasheet for TA319260

Thyroid Hormone Receptor alpha (THRA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:300,000, WB: 1:500 - 1:2,000, IP: 1:100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the amino terminus of human THRA isoform 1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	thyroid hormone receptor, alpha
Database Link:	NP_001177847 Entrez Gene 7067 Human P10827
Synonyms:	AR7; c-ERBA-1; CHNG6; EAR7; ERB-T-1; ERBA; ERBA1; NR1A1; THRA1; THRA2

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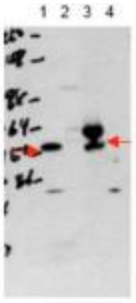
Note: This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Thyroid hormone receptor alpha is a nuclear hormone receptor with high affinity for the hormone triiodo-thyronine. THRA is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having a certain extent of redundancy, may mediate different functions of thyroid hormone. THRA interacts with NCOA3 and NCOA6 co-activators, leading to a strong increase in transcription of target genes. THRA is localized within the nucleus and has been found to exist as 4 isoforms originating from alternative splicing variants. This antibody recognizes THRA isoform 1. Isoform 1 has a distinct C-terminus compared to isoform 2.

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



WB using Anti-THRA antibody shows detection of purified recombinant THRA (lane 1) and THRA present in a 293 cell lysate after transient transfection with THRA (lane 3). No staining is evident in lysates from mock-transfected 293 cells (lane 2). Endogenous THRA is not detected in mouse brain whole cell lysate (lane 4). Nuclear extracts may be required to detect endogenous THRA as the protein localizes within the nucleus. The band at ~55 kDa, indicated by the arrowhead, corresponds to THRA.