SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-THRA1+2 antibody

Catalog Number: SL6222R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	THRA1+2
Immunogen:	KLH conjugated synthetic peptide derived from human THRA1 and THRA2: 101-200/490
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Zebrafish,Sheep,Cat)
Predicted MW.:	55kDa
Subcellular Location:	The nucleus
Background:	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]. **Function:** Nuclear hormone receptor. High affinity receptor for triiodothyronine. **Subunit:** Interacts with NCOA3 and NCOA6 coactivators, leading to a strong

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	increase of transcription of target genes. Probably interacts with SFPQ. Interacts with C1D (By similarity). Interacts with AKAP13. **Subcellular Location:** Nucleus. DISEASE: Defects in THRA are the cause of congenital hypothyroidism non-goitrous type 6 (CHNG6) [MIM:614450]. A disease characterized by growth retardation, developmental retardation, skeletal dysplasia, borderline low thyroxine levels and high triiodothyronine levels. There is differential sensitivity to thyroid hormone action, with retention of hormone responsiveness in the hypothalamic pituitary axis and liver but skeletal, gastrointestinal, and myocardial resistance. **Similarity:** Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain. **Database links:** **Entrez Gene:** 7067 Human **Entrez Gene:** 21833 Mouse **Entrez Gene:** 81812 Rat Omim: 190120 Human **SwissProt:** P10827 Human **SwissProt:** P63058 Mouse **SwissProt:** O97716 Pig **SwissProt:** P63059 Rat **Unigene:** 724 Human **Unigene:** 265917 Mouse **Unigene:** 442648 Mouse **Unigene:** 11307 Rat

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[VALIDATION IMAGES]

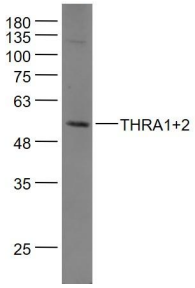


Figure 1. Sample: Stomach (Mouse) Lysate at 40 ug Primary: Anti-THRA1+2 (SL6222R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD

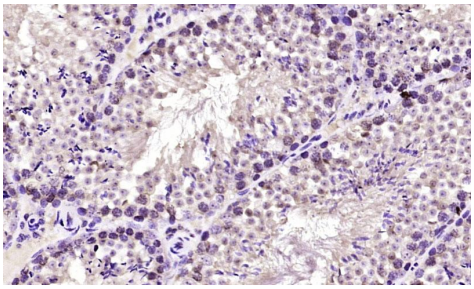


Figure 2. Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (THRA1+2) Polyclonal Antibody, Unconjugated (SL6222R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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