



Rabbit Anti-Thyroid hormone receptor alpha antibody

SL6221R

Product Name:	Thyroid hormone receptor alpha
Chinese Name:	甲状腺激素受体 α 抗体
Alias:	AR7; c-erbA-1; C-erbA-alpha; CHNG6; EAR 7; EAR-7; EAR7; ERB-T-1; ERBA alpha; ERBA; ERBA Related 7; ERBA-related 7; ERBA1; NR1A1; Nuclear receptor subfamily 1 group A member 1; THA_HUMAN; THRA 1; THRA; THRA1; THRA2; Thyroid hormone receptor alpha; thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian); thyroid hormone nuclear receptor alpha variant 1; triiodothyronine receptor; V-erbA-related protein 7.
文献引用 PubMed :	<p>Specific References(1) SL6221R has been referenced in 1 publications.</p> <p>[IF=1.84]Sun, Yan, et al. "Thyroid hormone inhibits the proliferation of piglet Sertoli cell via PI3K signaling pathway." Theriogenology (2014).WB;</p> <p>PubMed:25284282</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Thyroid hormone receptor alpha:81-180/490
Lsotype:	IgG

Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Thyroid hormone receptors (TR) are ligand dependent, intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences called hormone response elements following activation by the appropriate hormone. Thyroid hormones, through their interaction with TR, effect metabolic processes, growth and development in many tissues by regulating the expression of genes for growth hormone, malic enzyme and several hepatic proteins. There are two forms of TR; TR alpha (on chromosome 17) and TR beta (on chromosome 3). Each of these isoforms also has two isoforms; TR alpha 1 and TR alpha 2, and TR beta 1 and TR beta 2 respectively. TR alpha 1 and 2 are identical through amino acid 370, where their sequences diverge. TR alpha 2, which does not bind T3 and is a strong negative regulator of the functional TR, is 80 amino acids longer than TR alpha 1.</p> <p>Function: Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.</p> <p>Subunit: Interacts with ncoa2.</p> <p>Subcellular Location: Nucleus.</p> <p>Tissue Specificity: After the mid-blastula transition (MBT), expressed throughout the deep cells, which give rise to the embryo proper. In adults, isoform 2 shows highest expression in the eye and liver. Expressed in adult gonads.</p> <p>Similarity: Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.</p> <p>SWISS: P10827</p> <p>Gene ID: 7067</p> <p>Database links:</p>

[Entrez Gene: 7067](#)Human

[Entrez Gene: 21833](#)Mouse

[Entrez Gene: 81812](#)Rat

[Omim: 190120](#)Human

[SwissProt: P10827](#)Human

[SwissProt: P63058](#)Mouse

[SwissProt: P63059](#)Rat

[Unigene: 724](#)Human

[Unigene: 265917](#)Mouse

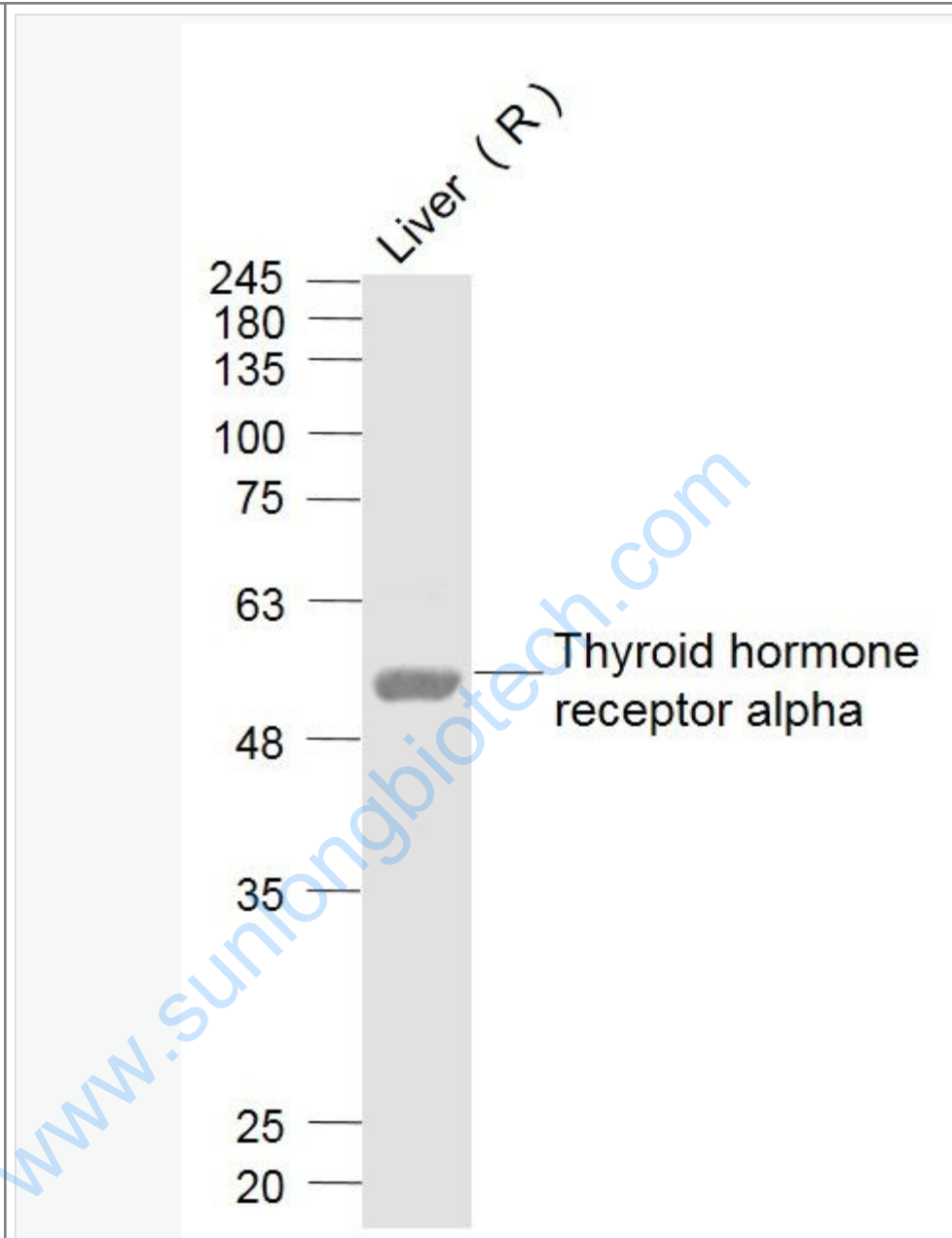
[Unigene: 442648](#)Mouse

[Unigene: 11307](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

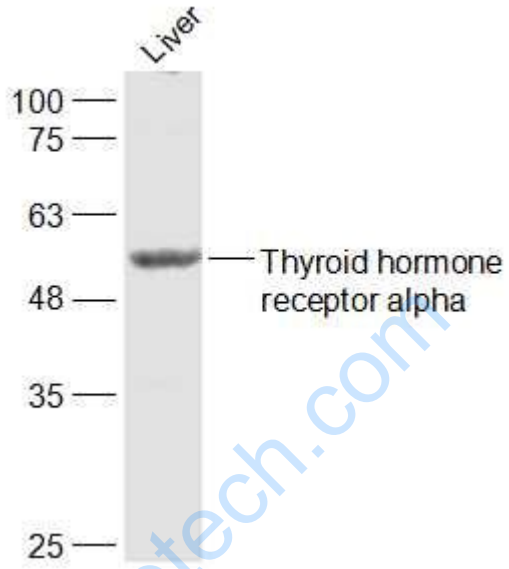
Liver (Rat) Lysate at 40 ug

Primary: Anti- Thyroid hormone receptor alpha (SL6221R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD



Sample:

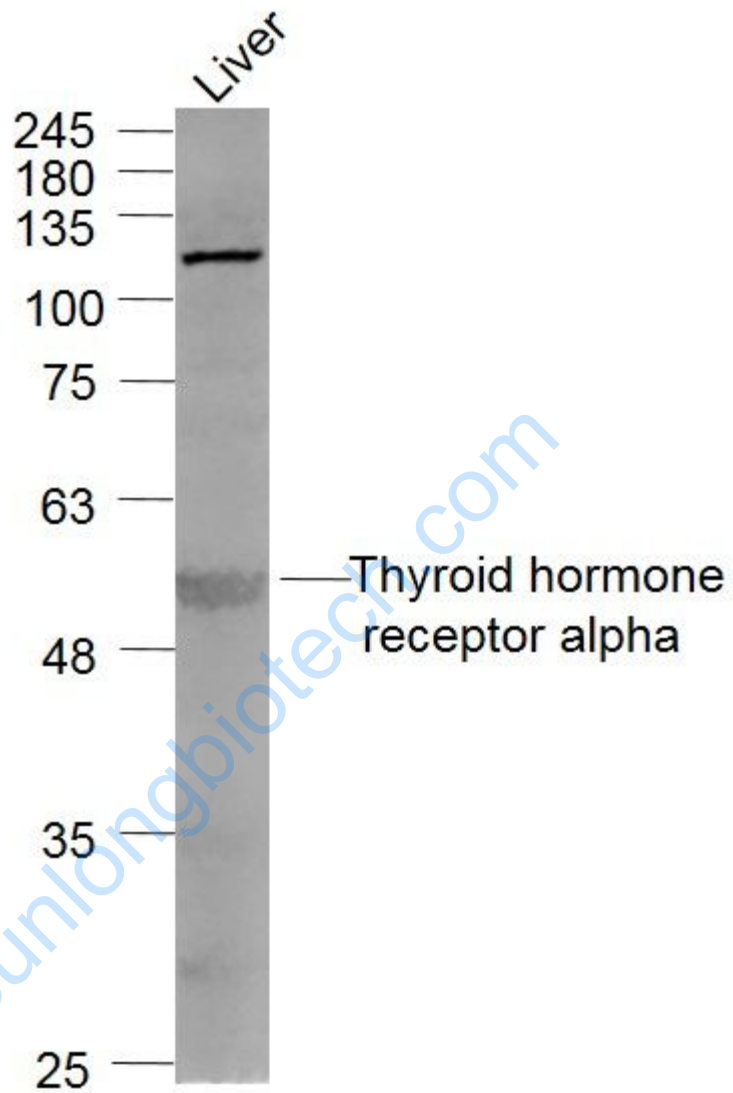
Liver (Mouse) Lysate at 40 ug

Primary: Anti-Thyroid hormone receptor alpha (SL6221R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD



Sample:

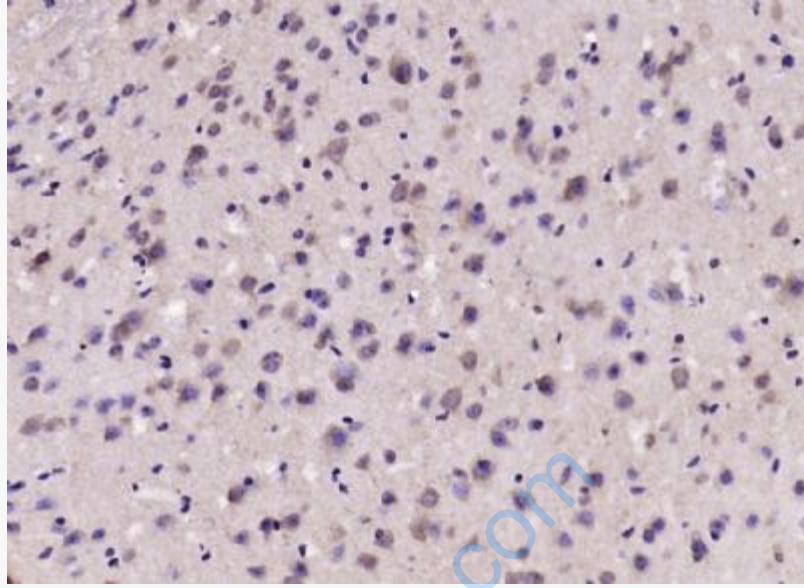
Liver (Mouse) Lysate at 40 ug

Primary: Anti- Thyroid hormone receptor alpha (SL6221R) at 1/1000 dilution

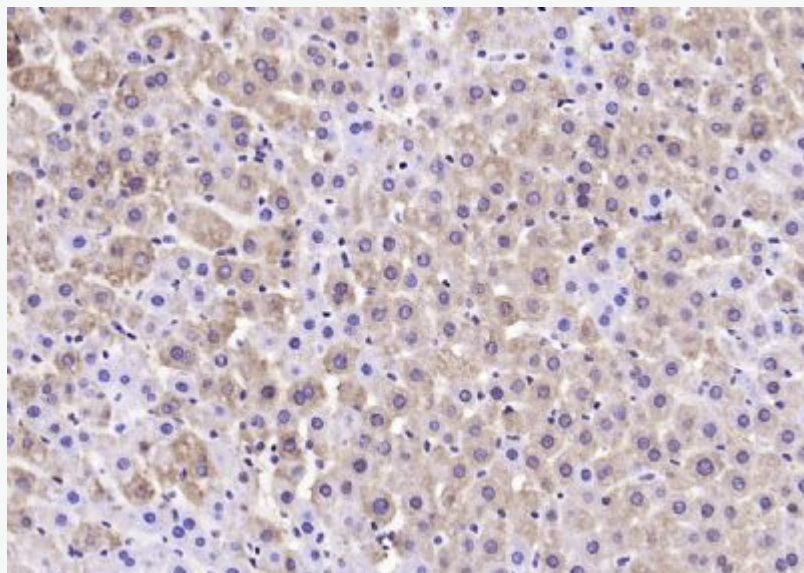
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

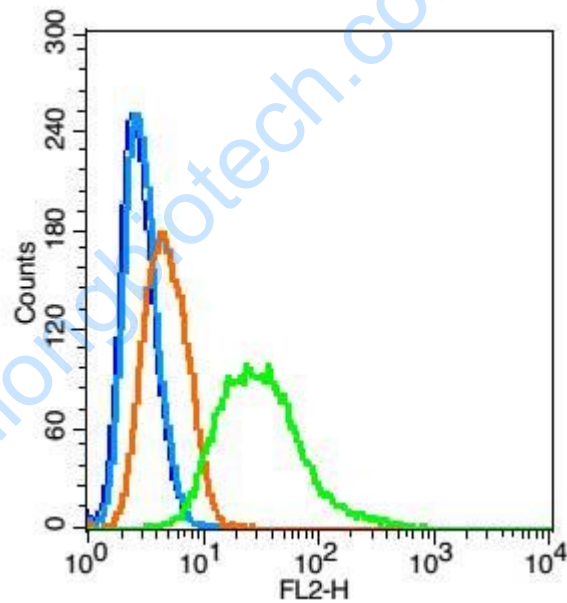
Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (Thyroid hormone receptor alpha) Polyclonal Antibody, Unconjugated (SL6221R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver); 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 (Thyroid hormone receptor alpha) Polyclonal Antibody, Unconjugated (SL6221R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue): Hela(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody:Rabbit Anti- Thyroid hormone receptor alpha antibody(SL6221R), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X

	PBS containing 0.5% BSA.
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