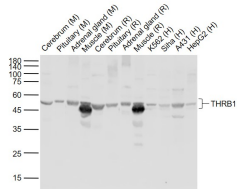
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

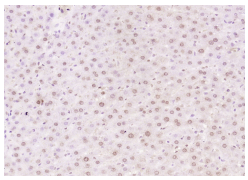
THRB1 Rabbit pAb

Catalog Number:	bs-11440R
Target Protein:	THRB1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Sheep, Cow, Chicken)
Predicted MW:	53 kDa
Entrez Gene:	7068
Swiss Prot:	P10828
Source:	KLH conjugated synthetic peptide derived from human Thyroid Hormone Receptor beta: 201-300/461.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Thyroid hormone receptors (TRs) are ligand-dependent transcription factors that mediate the biological activities of thyroid hormone (T3). Thyroid hormone receptor b2 (TRb2) is a high affinity receptor for triiodothyronine which belongs to the nuclear hormone receptor family and the NR1 subfamily. It is composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain. Defects in the receptor result in generalized thyroid hormone resistance (GTHR). GTHR is transmitted as an autosomal dominant trait, but an autosomal recessive form also exists. The disease is characterized by goiter, abnormal mental functions, increased susceptibility to infections, abnormal growth and bone maturation, tachycardia and deafness. GTHR patients also have high levels of circulating thyroid hormones (T3-T4), with normal or slightly elevated thyroid stimulating hormone.

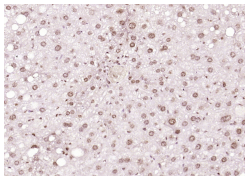
VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Pituitary (Mouse) Lysate at 40 ug Lane 3: Adrenal gland (Mouse) Lysate at 40 ug Lane 4: Muscle (Mouse) Lysate at 40 ug Lane 5: Cerebrum (Rat) Lysate at 40 ug Lane 6: Pituitary (Rat) Lysate at 40 ug Lane 7: Adrenal gland (Rat) Lysate at 40 ug Lane 8: Muscle (Rat) Lysate at 40 ug Lane 9: K562 (Human) Cell Lysate at 30 ug Lane 10: Siha (Human) Cell Lysate at 30 ug Lane 11: A431 (Human) Cell Lysate at 30 ug Lane 12: HepG2 (Human) Cell Lysate at 30 ug Primary: Anti-THRB1 (bs-11440R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53/46 kD Observed band size: 53/46 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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 (THRB1) Polyclonal Antibody, Unconjugated (bs-11440R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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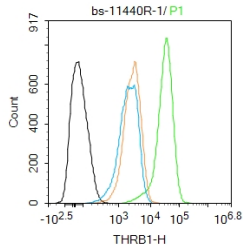
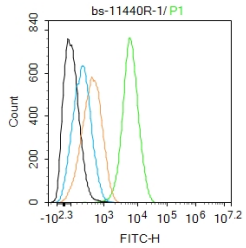
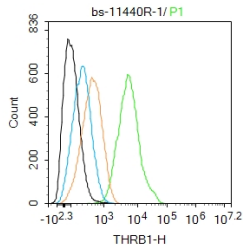


Blank control:A431. Primary Antibody (green line): Rabbit Anti-THRB1 antibody (bs-11440R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-THRB1 antibody (bs- 11440R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



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PRODUCT SPECIFIC PUBLICATIONS

[IF=4.8] Ying Zhang. et al. Long-term iodine deficiency and excess inhibit β-casein and α-lactalbumin secretion of milk in lactating rats. J NUTR BIOCHEM. 2024 Nov;:109812 WB ; Rat . 39603394