

bs-6221R**[Primary Antibody]****Thyroid hormone receptor alpha Rabbit pAb****Bioss**
ANTIBODIES

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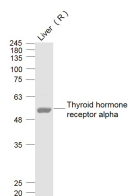
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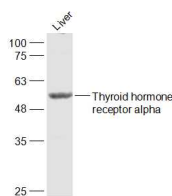
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— DATASHEET —

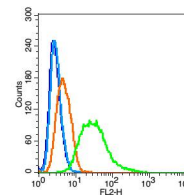
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1ug/Test)
Clonality: Polyclonal		
GeneID: 7067	SWISS: P10827	
Target: Thyroid hormone receptor alpha		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Chicken, GuineaPig, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human Thyroid hormone receptor alpha: 81-180/490.		Predicted MW.: 55 kDa
Purification: affinity purified by Protein A		Subcellular Location: Nucleus
Concentration: 1mg/ml		
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: 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].		

— VALIDATION IMAGES —

Sample: Liver (Rat) Lysate at 40 ug Primary: Anti-Thyroid hormone receptor alpha (bs-6221R) 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 (bs-6221R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD



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(bs-6221R), Dilution: 1μg in 100 μL 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.

— SELECTED CITATIONS —

- **[IF=6.268]** Custodio, Raly James Perez. et al. Low striatal T3 is implicated in inattention and memory impairment in an ADHD mouse model overexpressing thyroid hormone-responsive protein. Commun Biol. 2021 Sep;4(1):1-14 WB ;mouse. 34545202
- **[IF=1.84]** Sun, Yan, et al. "Thyroid hormone inhibits the proliferation of piglet Sertoli cell via PI3K signaling pathway." Theriogenology (2014). WB ;. 25284282