

For Research Use Only

Thyroid Hormone Receptor beta Recombinant antibody



Catalog Number: 83866-2-RR

Basic Information

Catalog Number: 83866-2-RR	GenBank Accession Number: BC106929	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7068	CloneNo.: 240619E7
Source: Rabbit	UNIPROT ID: P10828	Recommended Dilutions: WB 1:200-1:1000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	
Immunogen Catalog Number: AG16276	Calculated MW: 476 aa, 54 kDa	
	Observed MW: 53 kDa and 54 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : mouse pancreas tissue, IF/ICC : A431 cells,
Species Specificity: human, mouse	

Background Information

Thyroid hormone receptor beta (THRβ), also known as ERBA2, NR1A2, and THR1, belongs to the nuclear hormone receptor family and NR1 subfamily. THRβ is a nuclear hormone receptor that can act as a repressor or activator of transcription. Moreover, THRβ is also a high-affinity receptor for thyroid hormones, including triiodothyronine and thyroxine. THRβ is the most abundant THR isoform in the liver but is also expressed in other tissues and mediates the effects of THs on hepatic carbohydrate and lipid metabolism (PMID: 34884910). THRβ has 2 isoforms with the molecular mass of 53 and 54 kDa (refer to UniProt).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

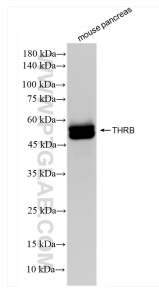
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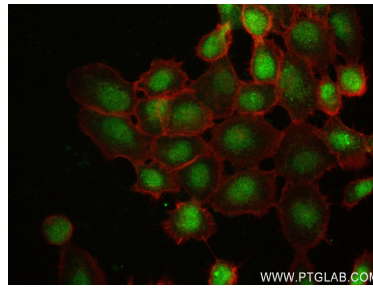
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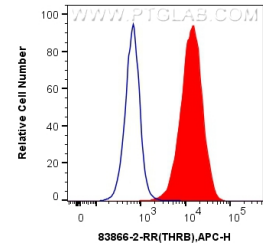
Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 83866-2-RR (Thyroid Hormone Receptor beta antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Thyroid Hormone Receptor beta antibody (83866-2-RR, Clone: 240619E7) at dilution of 1:250 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug Thyroid Hormone Receptor beta Recombinant Antibody (83866-2-RR, Clone:240619E7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).