

Thyroid Hormone Receptor beta Recombinant antibody

Catalog Number: 83866-2-RR

Basic Information

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| Catalog Number: 83866-2-RR | GenBank Accession Number: BC106929 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | 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

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

Background Information

Thyroid hormone receptor beta (THRB), also known as ERBA2, NR1A2, and THR1, belongs to the nuclear hormone receptor family and NR1 subfamily. THRB is a nuclear hormone receptor that can act as a repressor or activator of transcription. Moreover, THRB is also a high-affinity receptor for thyroid hormones, including triiodothyronine and thyroxine. THRB 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). THRB has 2 isoforms with the molecular mass of 53 and 54 kDa (refer to UniProt).

Storage

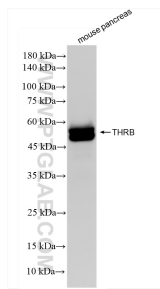
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

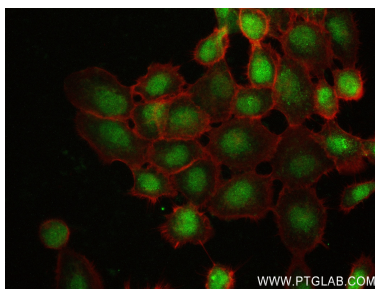
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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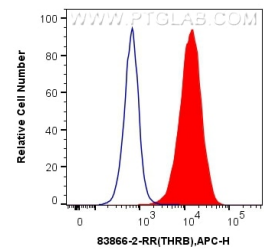
Selected Validation Data



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).