

# Thyroid Hormone Receptor beta Recombinant antibody

Catalog Number: 83866-2-RR

## Basic Information

**Catalog Number:**

83866-2-RR

**Concentration:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16276

**GenBank Accession Number:**

BC106929

**GeneID (NCBI):**

7068

**UNIPROT ID:**

P10828

**Full Name:**

thyroid hormone receptor, beta  
(erythroblastic leukemia viral (v-erb-  
a) oncogene homolog 2, avian)

**Calculated MW:**

476 aa, 54 kDa

**Observed MW:**

53 kDa and 54 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240619E7

**Recommended Dilutions:**

WB: 1:200-1:1000

IF/ICC: 1:125-1:500

FC (Intra): 0.25 µg per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

**Tested Applications:**

WB, IF/ICC, FC (Intra), ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : mouse pancreas tissue,

IF/ICC : A431 cells,

FC (Intra) : U2OS 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:**

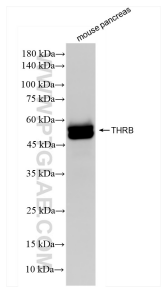
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

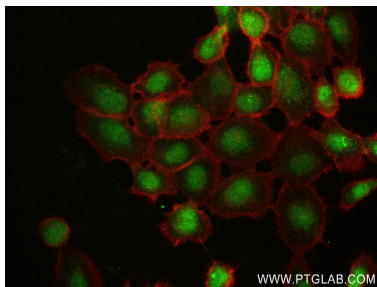
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

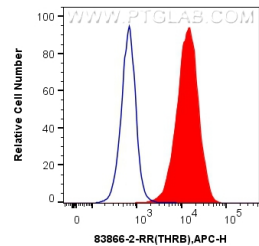
Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug Thyroid Hormone Receptor beta Recombinant Antibody (83866-2-RR, Clone:240619E7) and APC-Conjugated 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).