

## TRβ1 (phospho Ser142) Polyclonal Antibody

Catalog No: #13464

Package Size: #13464-1 50ul #13464-2 100ul

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## Description

|                       |                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | TRβ1 (phospho Ser142) Polyclonal Antibody                                                                                                      |
| Host Species          | Rabbit                                                                                                                                         |
| Clonality             | Polyclonal                                                                                                                                     |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                          |
| Applications          | WB,ELISA                                                                                                                                       |
| Species Reactivity    | Human,Mouse,Rat                                                                                                                                |
| Specificity           | Phospho-TRβ1 (S142) Polyclonal Antibody detects endogenous levels of TRβ1 protein only when phosphorylated at S142.                            |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human TR-beta1 around the phosphorylation site of Ser142. AA range:116-165 |
| Conjugates            | Unconjugated                                                                                                                                   |
| Other Names           | THRB; ERBA2; NR1A2; THR1; Thyroid hormone receptor beta; Nuclear receptor subfamily 1 group A member 2; c-erbA-2; c-erbA-beta                  |
| Accession No.         | Swiss Prot:P10828GeneID:7068                                                                                                                   |
| SDS-PAGE MW           | 45                                                                                                                                             |
| Concentration         | 1 mg/ml                                                                                                                                        |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                        |
| Storage               | -20°C/1                                                                                                                                        |

## Application Details

Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

## Background

thyroid hormone receptor beta(THRB) Homo sapiens 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. Mutations in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. [provided by RefSeq, Jul 2008],

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.