# Anti-Thyroid Hormone Receptor alpha 1+2 antibody ab42565

**Product name**: Anti-Thyroid Hormone Receptor alpha 1+2 antibody

**Description**: Rabbit polyclonal to Thyroid Hormone Receptor alpha 1+2

**Host species**: Rabbit

**Tested applications**: Suitable for: WB

**Species reactivity**: Reacts with: Mouse, Human | Predicted to work with: Rat, Sheep, Rabbit, Horse, Guinea pig, Cow, Dog, Zebrafish 🔴

**Immunogen**: Synthetic peptide within Human Thyroid Hormone Receptor alpha 1+2 aa 246-295 (internal sequence). The exact sequence is proprietary.

Sequence:

```
DQIILLKGCCMEIMSLRAAVRYDPESDTLTLSGEMAVKREQLKNGGLGVV
```

Database link: P10827

**Positive control**: WB: Jurkat cell lysate; Human heart lysate; Mouse spleen lysate.

## Properties

**Form**: Liquid


**Storage buffer**: Preservative: 0.09% Sodium azide
 Constituents: 2% Sucrose, PBS

**Purity**: Immunogen affinity purified

**Clonality**: Polyclonal

**Isotype**: IgG

## Applications

Overview

Run BLAST with

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Function
Isoform Alpha-1: Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine. Isoform Alpha-2: Does not bind thyroid hormone and functions as a weak dominant negative inhibitor of thyroid hormone action.

Involvement in disease
Hypothyroidism, congenital, non-goitrous, 6

Sequence similarities
Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.

Domain
Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.

Cellular localization
Nucleus.

Images

Anti-Thyroid Hormone Receptor alpha 1+2 antibody (ab42565) at 0.2 µg/ml + Jurkat cell lysate at 10 µg

Predicted band size: 58, 47 kDa

Western blot analysis of Jurkat cell lysate labeling Thyroid hormone receptor alpha 1+2 with ab42565.
Anti-Thyroid Hormone Receptor alpha 1+2 antibody (ab42565) at 1 µg/ml + Human heart lysate at 10 µg

**Predicted band size:** 58, 47 kDa

Western blot analysis of human heart lysate labeling Thyroid hormone receptor alpha 1+2 with ab42565.

Anti-Thyroid Hormone Receptor alpha 1+2 antibody (ab42565) at 1 µg/ml + Mouse spleen lysate at 10 µg

**Predicted band size:** 58, 47 kDa

Western blot analysis of Mouse spleen lysate labeling Thyroid hormone receptor alpha 1+2 with ab42565.

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