

Anti-Thyroid Hormone Receptor, α 2-Isotype Antibody
Our Anti-Thyroid Hormone Receptor, α 2-Isotype primary antibody from
PhosphoSolutions is mouse monocl
Catalog # AN1582

Specification

Anti-Thyroid Hormone Receptor, α 2-Isotype Antibody - Product Information

Primary Accession	P10827
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	54816

Anti-Thyroid Hormone Receptor, α 2-Isotype Antibody - Additional Information

Gene ID **7067**

Other Names

c-erbA-1 antibody, C-erbA-alpha antibody, EAR-7 antibody, ERBA 1 antibody, ERBA antibody, ERBA related 7 antibody, Nuclear receptor subfamily 1 group A member 1 antibody, THA_HUMAN antibody, THRA antibody, Thra1 antibody, Thra2 antibody, Thyroid hormone receptor alpha 1 antibody, Thyroid hormone receptor alpha 2 antibody, Thyroid hormone receptor alpha antibody, TR alpha 1 antibody, TR alpha 2 antibody, Tra1 antibody, Triiodothyronine receptor antibody, V-erbA-related protein 7 antibody

Target/Specificity

Thyroid hormones are essential for development of the central nervous system and deficits in these hormones during development affects such cognitive functions as learning and memory (Ambrogini et al., 2005; Chan and Kilby, 2000). Thyroid hormones exert their physiological role mainly through binding to specific nuclear receptors including the predominant isoforms of thyroid hormone receptors, TR α 1, TR α 2, TR β 1 and TR β 2. TR α 1, TR β 1 and TR β 2 bind T3 with high affinity and also bind to thyroid hormone response elements (TREs) on chromatin to regulate the transcriptional processes in several target tissues, including adult rat brain (Constantinou et al., 2005).

Format

Protein G Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Thyroid Hormone Receptor, α 2-Isotype Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

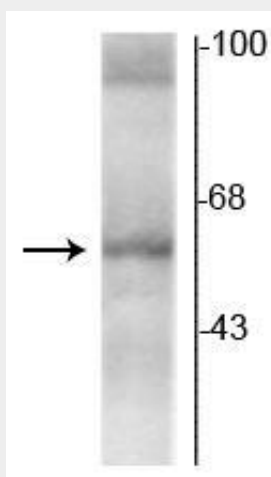
Blue Ice

Anti-Thyroid Hormone Receptor, $\alpha 2$ -Isotype Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Thyroid Hormone Receptor, $\alpha 2$ -Isotype Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the ~58 kDa TR- $\alpha 2$ protein.

Anti-Thyroid Hormone Receptor, $\alpha 2$ -Isotype Antibody - Background

Thyroid hormones are essential for development of the central nervous system and deficits in these hormones during development affects such cognitive functions as learning and memory (Ambrogini et al., 2005; Chan and Kilby, 2000). Thyroid hormones exert their physiological role mainly through binding to specific nuclear receptors including the predominant isoforms of thyroid hormone receptors, TR $\alpha 1$, TR $\alpha 2$, TR $\beta 1$ and TR $\beta 2$. TR $\alpha 1$, TR $\beta 1$ and TR $\beta 2$ bind T3 with high affinity and also bind to thyroid hormone response elements (TREs) on chromatin to regulate the transcriptional processes in several target tissues, including adult rat brain (Constantinou et al., 2005).