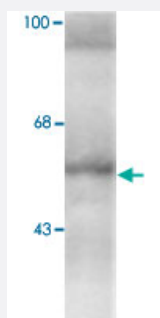


THRA monoclonal antibody, clone 1330

Catalog # MAB1781 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of hippocampal lysate showing specific immunolabeling of the ~58k THRA protein. Using THRA monoclonal antibody, clone 1330 (Cat # MAB1781).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of THRA.
Immunogen	A synthetic peptide corresponding to N-terminus human THRA.
Host	Mouse
Theoretical MW (kDa)	58
Reactivity	Bovine, Dog, Human, Mouse, Rat
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot of hippocampal lysate showing specific immunolabeling of the ~58k THRA protein. Using THRA monoclonal antibody, clone 1330 (Cat # MAB1781).

Gene Info — THRA

Entrez GeneID [7067](#)

Protein Accession# [P10827](#)

Gene Name THRA

Gene Alias AR7, EAR7, ERB-T-1, ERBA, ERBA1, MGC000261, MGC43240, NR1A1, THRA1, THRA2, c-ERBA-1

Gene Description thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)

Omim ID [190120](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations ERBA-related 7|OTTHUMP00000164470|avian erythroblastic leukemia viral (v-erb-a) oncogene homolog|thyroid hormone receptor alpha|thyroid hormone receptor, alpha|triiodothyronine receptor

Publication Reference

- [Region-specific effects of hypothyroidism on the relative expression of thyroid hormone receptors in adult rat brain.](#)

Constantinou C, Margarity M, Valcana T.

Molecular and Cellular Biochemistry 2005 Oct; 278(1-2):93.

- [Thyroid hormones affect neurogenesis in the dentate gyrus of adult rat.](#)

Ambrogini P, Cuppini R, Ferri P, Mancini C, Ciaroni S, Voci A, Gerdoni E, Gallo G.

Neuroendocrinology 2005 Aug; 81(4):244.

- [Thyroid hormone and central nervous system development.](#)

Chan S, Kilby MD.

The Journal of Endocrinology 2000 Apr; 165(1):1.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Prostate cancer](#)
- [Thyroid Neoplasms](#)