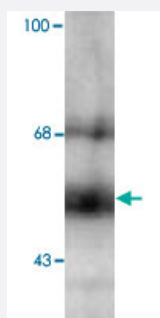


THR B monoclonal antibody, clone 2386

Catalog # MAB1784 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of hippocampal lysate showing specific immunolabeling of the ~58k THR B protein. Using THR B monoclonal antibody, clone 2386 (Cat # MAB1784).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of THR B.
Immunogen	A synthetic peptide corresponding to N-terminus human THR B.
Host	Mouse
Theoretical MW (kDa)	55
Reactivity	Human
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 THRB protein. Using THRB monoclonal antibody, clone 2386 (Cat # MAB1784).

Gene Info — THRB

Entrez GeneID	7068
Protein Accession#	P10828
Gene Name	THRB
Gene Alias	ERBA-BETA, ERBA2, GRTH, MGC126109, MGC126110, NR1A2, PRTN, THR1, THRB1, THRB2
Gene Description	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)
Omim ID	188570 190160 274300
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. 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]
Other Designations	OTTHUMP00000161044 avian erythroblastic leukemia viral (v-erb-a) oncogene homolog 2 oncogene ERBA2 thyroid hormone receptor beta 1 thyroid hormone receptor beta isoform thyroid hormone receptor, beta

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

- [Abortion](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)

- [Narcolepsy](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Thyroid Diseases](#)
- [Thyroid Hormone Resistance Syndrome](#)
- [Tobacco Use Disorder](#)