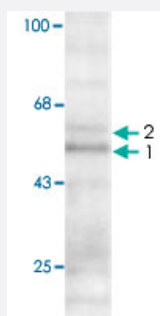


THRA monoclonal antibody, clone 1718

Catalog # MAB1782 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of hippocampal lysate showing specific immunolabeling of the ~50k THRA and the ~58k THRA isotype. Using THRA monoclonal antibody, clone 1718 (Cat # MAB1782).

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) 50, 58

Reactivity Dog, Human, Mouse, Rat

Specificity Specific for the ~50k THRA and the ~58k TGFB1 proteins.

Form Liquid

Purification Protein G purification

Isotype IgG2a

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)
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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Tissue lysate)

Western blot of hippocampal lysate showing specific immunolabeling of the ~50k THRA and the ~58k THRA isotype. Using THRA monoclonal antibody, clone 1718 (Cat # MAB1782).

Gene Info — THRA

Entrez GeneID	7067
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Protein Accession#	P10827
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Gene Name	THRA
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Gene Alias	AR7, EAR7, ERB-T-1, ERBA, ERBA1, MGC000261, MGC43240, NR1A1, THRA1, THRA2, c-ERBA-1
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Gene Description	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
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Omim ID	190120
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Gene Ontology	Hyperlink
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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]
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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
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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](#)