

Datasheet

THRA monoclonal antibody, clone 2103

Catalog Number: MAB1783

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic peptide of THRA.

Clone Name: 2103

Immunogen: A synthetic peptide corresponding to N-terminus human THRA.

Host: Mouse

Theoretical MW (kDa): 50, 58

Reactivity: Dog, Human, Mouse, Rat

Applications: WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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

Form: Liquid

Purification: Protein G purification

Isotype: IgG

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.

Entrez GeneID: 7067

Gene Symbol: THRA

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

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]

References:

1. Region-specific effects of hypothyroidism on the relative expression of thyroid hormone receptors in adult rat brain. Constantinou C, Margarity M, Valcana T. Mol Cell Biochem. 2005 Oct;278(1-2):93-100.
2. 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;81(4):244-53. Epub 2005 Aug 18.
3. Thyroid hormone and central nervous system development. Chan S, Kilby MD. J Endocrinol. 2000 Apr;165(1):1-8.