ARG52448
anti-Thyroid Hormone Receptor beta antibody [2386]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2386] recognizes Thyroid Hormone Receptor beta
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	2386
Isotype	IgG1
Target Name	Thyroid Hormone Receptor beta
Species	Human
Immunogen	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	C-ERBA-2; NR1A2; THRB1; ERBA2; Nuclear receptor subfamily 1 group A member 2; GRTH; C-ERBA-BETA; c-erbA-2; Thyroid hormone receptor beta; PRTH; THRB2; c-erbA-beta; THR1

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: Specific for the ~55k TR-β protein.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

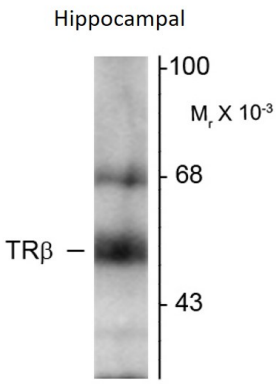
Properties

Form	Liquid
Purification	Protein G purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7068 Human Swiss-port # P10828 Human
Gene Symbol	THRB
Gene Full Name	thyroid hormone receptor, beta
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 TRα1, TRα2, TRβ1 and TRβ2. TRα1, TRβ1 and TRβ2 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).
Research Area	Gene Regulation antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	53 kDa

Images



ARG52448 anti-Thyroid Hormone Receptor beta antibody [2386] WB image

Western blot: Hippocampal lysate showing specific immunolabeling of the ~58 kDa TR-β protein stained with ARG52448 anti-Thyroid Hormone Receptor beta antibody [2386].