

TRβ1 (phospho Ser142) rabbit pAb

Cat No.:ES7390

For research use only

Overview

Product Name	TRβ1 (phospho Ser142) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not
	yet tested in other applications.
Immunogen	The antiserum was produced against synthesized
	peptide derived from human TR-beta1 around the
	phosphorylation site of Ser142. AA range:116-165
Specificity	Phospho-TRβ1 (S142) Polyclonal Antibody detects
	endogenous levels of TRB1 protein only when
	phosphorylated at S142.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Thyroid hormone receptor beta
Gene Name	THRB
Cellular localization	Nucleus.
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	7068
Human Swiss-Prot Number	P10828
Alternative Names	THRB; ERBA2; NR1A2; THR1; Thyroid hormone
	receptor beta; Nuclear receptor subfamily 1 group A
	member 2; c-erbA-2; c-erbA-beta
Background	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



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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, Jul 2008],



Western blot analysis of lysates from 293 cells treated with PMA 125ng/ml 30', using TR-beta1 (Phospho-Ser142) Antibody. The lane on the right is blocked with the phospho peptide.



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