

产品名称: TR β 1 (phospho Ser142) Rabbit Polyclonal Antibody
产品货号: APRab05591



产品概述 (Summary)

产品名称 (Production Name)	TR β 1 (phospho Ser142) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	THRB
别名 (Alternative Names)	THRB; ERBA2; NR1A2; THR1; Thyroid hormone receptor beta; Nuclear receptor subfamily 1 group A member 2; c-erbA-2; c-erbA-beta
基因 ID (Gene ID)	7068.0
蛋白 ID (SwissProt ID)	P10828.The antiserum was produced against synthesized peptide derived from human TR-beta1 around the phosphorylation site of Ser142. AA range:116-165

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:10000
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蛋白分子量 (Molecular Weight) 45kDa

研究背景 (Background)

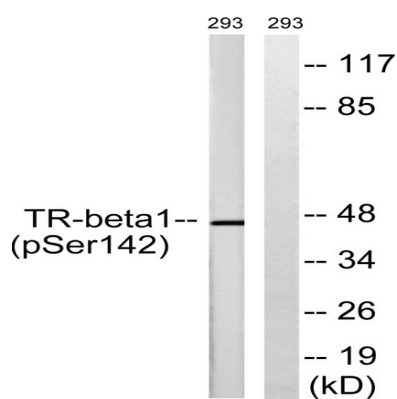
The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain 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],disease:Defects in THRB are the cause of generalized thyroid hormone resistance (GTHR) [MIM:188570, 274300]. GTHR is transmitted as an autosomal dominant trait, but an autosomal recessive form also exists. The disease is characterized by goiter, abnormal mental functions, increased susceptibility to infections, abnormal growth and bone maturation, tachycardia and deafness. Affected individuals may also have attention deficit-hyperactivity disorders (ADHD) and language difficulties. GTHR patients also have high levels of circulating thyroid hormones (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH),,disease:Defects in THRB are the cause of selective pituitary thyroid hormone resistance (PRTH) [MIM:145650]; also called familial hyperthyroidism due to inappropriate thyrotropin secretion. PRTH is a variant form of thyroid hormone resistance and is characterized by clinical hyperthyroidism, with elevated free thyroid hormones, but inappropriately normal serum TSH. Unlike GRTH, where the syndrome usually segregates with a dominant allele, the mode of inheritance in PRTH has not been established.,domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,function:High affinity receptor for triiodothyronine.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Interacts with NOCA7 in a ligand-inducible manner. Interacts with C1D.,

研究领域 (Research Area)

Neuroactive ligand-receptor interaction;

图片 (Image Data)

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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.

注意事项 (Note)

For research use only .