



Anti-THRβ (aa 1-110) polyclonal antibody (DPAB-DC3065)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	THRβ (NP_000452, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MTPNSMTENGLTAWDKPKHCPDREHDWKLVGMSEACLHRKSHSERRSTLKNEQSSPHLIQ TTWTSSIFHLDHDDVNDQSVSSAQTFQTEEKCKGYIPSYLDKDELCVVC
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	THRΒ thyroid hormone receptor, beta [Homo sapiens (human)]
Official Symbol	THRΒ
Synonyms	THRΒ; thyroid hormone receptor, beta; GRTH; PRTH; THR1; ERΒΑ2; NR1Α2; THRΒ1; THRΒ2; C-ERΒΑ-2; C-ERΒΑ-BETA; thyroid hormone receptor beta; oncogene ERΒΑ2; nuclear receptor subfamily 1 group A member 2; thyroid hormone nuclear receptor beta variant 1; thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian);
Entrez Gene ID	7068
Protein Refseq	NP_000452
UniProt ID	F1D8N7
Chromosome Location	3p24.2
Pathway	Gene Expression; Neuroactive ligand-receptor interaction; Nuclear Receptors; Thyroid hormone signaling pathway
Function	DNA binding; chromatin DNA binding; enzyme binding; protein binding