TRBeta1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09253
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Thyroid Hormone Receptor beta. AA range:11-60
Mol wt	52788
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	TRbeta1 Antibody
Synonyms	THRB; ERBA2; NR1A2; THR1; Thyroid hormone receptor beta; Nuclear receptor subfamily 1 group A member 2; c-erbA-2; c-erbA-beta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by THRB (thyroid hormone receptor beta) 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 THRB 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 THRB.
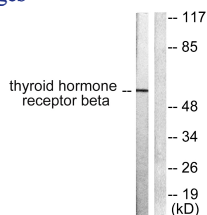
Recommended Dilution
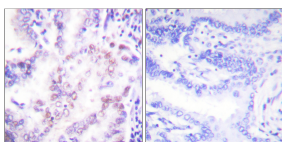
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

Images

Western blot analysis of lysates from LOVO cells, using Thyroid Hormone Receptor beta Antibody. The lane on the right is blocked with the synthesized peptide.

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Thyroid Hormone Receptor beta Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year