


Product datasheet

Anti-Thyroid Hormone Receptor beta antibody - N-terminal ab196484

1 Image

Overview

Product name	Anti-Thyroid Hormone Receptor beta antibody - N-terminal
Description	Rabbit polyclonal to Thyroid Hormone Receptor beta - N-terminal
Host species	Rabbit
Specificity	ab196484 detects endogenous level of total Thyroid Hormone Receptor beta protein.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Recombinant fragment within Human Thyroid Hormone Receptor beta (N terminal). The exact sequence is proprietary. Database link: P10828
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine), 49% PBS PBS is without Mg ²⁺ and Ca ²⁺ .
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab196484** in the following tested applications.

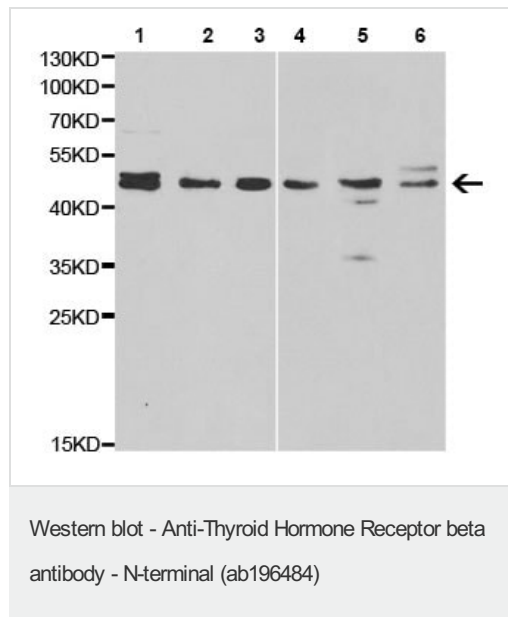
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 53 kDa.

Target

Function	High affinity receptor for triiodothyronine.
Involvement in 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). Defects in THRB are the cause of selective pituitary thyroid hormone resistance (PRTH) [MIM:145650]; also known as 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.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Nucleus.

Images



All lanes : Anti-Thyroid Hormone Receptor beta antibody - N-terminal (ab196484) at 1/500 dilution

Lane 1 : K562 cell extract

Lane 2 : PC3 cell extract

Lane 3 : HepG2 cell extract

Lane 4 : U251 cell extract

Lane 5 : Mouse liver tissue extract

Lane 6 : Mouse craniofacial tissue extract

Predicted band size: 53 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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