

Datasheet for ABIN768643

anti-Thyroperoxidase antibody (C-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Thyroperoxidase (TPO)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	thyroid peroxidase
Immunogen:	Peptide with sequence ELRCGKHQAVGTSPQ, from the C Terminus of the protein sequence according to NP_000538.3, NP_783650.1, NP_783652.1, NP_783653.1.
Sequence:	ELRCGKHQAV GTSPQ
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_000538.3, NP_783650.1, NP_783652.1, NP_783653.1). Reported variants represent identical protein: NP_000538.3, NP_001193673.1 Reported variants represent identical protein: NP_783650.1, NP_00
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target:	Thyroperoxidase (TPO)
Alternative Name:	Thyroid Peroxidase (TPO Products)
Background:	TPO, thyroid peroxidase, MSA, TDH2A, TPX, OTTHUMP00000115535, OTTHUMP00000115536, thyroid microsomal antigen, thyroperoxidase
Molecular Weight:	103kDa according to NP_000538.3
Gene ID:	7173
NCBI Accession:	NP_000538 , NP_783650 , NP_783652 , NP_783653
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows textured staining in the cytoplasm of epithelial cells. Recommended concentration, 5-10 µg/mL.</p> <p>Western Blot: Approx 110 kDa band observed in Human Thyroid Gland lysates (calculated MW of 103 kDa according to NP_000538.3). Recommended concentration: 0.1-0.3 µg/mL.</p> <p>Peptide ELISA: antibody detection limit dilution 1:32000.</p>
Restrictions:	For Research Use only

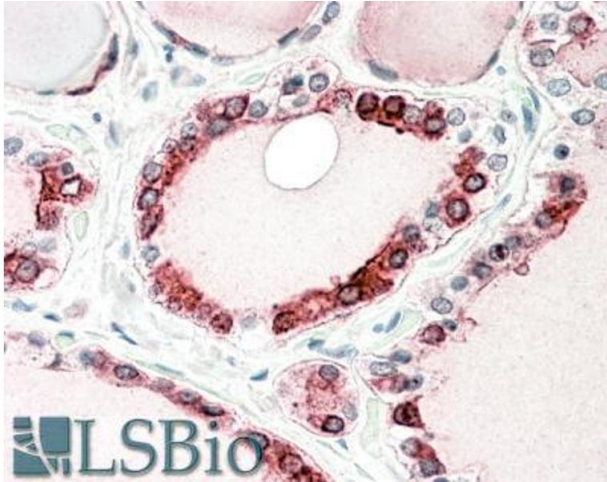
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C

Handling

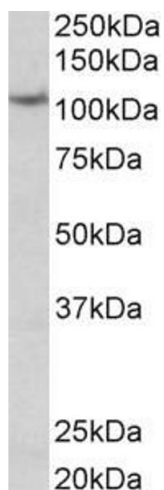
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunohistochemistry

Image 1. ABIN768643 (5µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN768643 (0.1µg/ml) staining of Thyroid Gland lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.