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anti-Thyroperoxidase antibody (Internal Region) (Biotin)





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Quantity:	100 μg
Target:	Thyroperoxidase (TPO)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Thyroperoxidase antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Thyroid peroxidase, Biotinylated	
Sequence:	CTRHVIQVSN EVVTDD.	
Isotype:	IgG	
Specificity:	This antibody is expected to recognize reported isoforms a (NP_000538.3), b (NP_783650.1), d (NP_78652.1), and e (NP_783653.1). Reported variants represent identical protein: NP_000538.3, NP_001193673.1 Reported variants represent identical protein: NP_78	
Cross-Reactivity:	Human	
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.	
Grade:	Verified	

Target Details	
Target:	Thyroperoxidase (TPO)
Alternative Name:	Thyroid Peroxidase (TPO Products)
Background:	TPO, thyroid peroxidase, MSA, TDH2A, TPX, thyroid microsomal antigen, thyroperoxidase
Gene ID:	7173
NCBI Accession:	NP_000538, NP_783650, NP_783652, NP_783653
Pathways:	Thyroid Hormone Synthesis
Application Details	
Application Notes:	Western Blot: Approx 110 kDa band observed in Human Thyroid Gland lysates (calculated MW
	of 103 kDa according to NP_000538.3). See non-biotinylated parental product's datasheet for
	further QC data. Recommended concentration: 0.3-1 μg/mL.
	Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL

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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
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.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

Western Blotting

Image 1. Biotinylated ABIN5539601 (0.3μg/ml) staining of Human Thyroid Gland lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.