

Product Datasheet

Thyroid Peroxidase Antibody

NBP1-97765

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-97765

Thyroid Peroxidase Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	7173
Gene Symbol	TPO
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize reported isoforms a (NP_000538.3) and e (NP_783653.1).
Immunogen	Peptide with sequence C-TRHVIQVSNEVVTDD corresponding to internal region according to NP_000538.3, NP_783650.1, NP_783652.1, NP_783653.1.

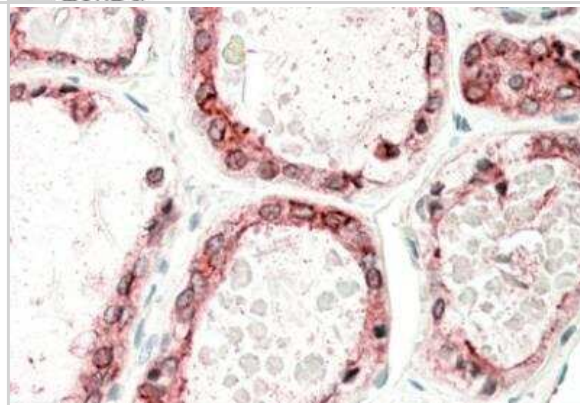
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Immunohistochemistry 5 - 10 ug/ml, Immunohistochemistry-Paraffin, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 110 kDa band observed in human thyroid gland lysates (calculated MW of 103 kDa band according to NP_000538.3). IHC-P: Human thyroid gland shows textured staining in the cytoplasm of epithelial cells.

Images

Western Blot: Thyroid Peroxidase Antibody [NBP1-97765] - (0.3ug/ml) staining of Human Thyroid Gland lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa

Immunohistochemistry-Paraffin: Thyroid Peroxidase Antibody [NBP1-97765] - Staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Chen CR, Hamidi S, Braley-Mullen H et al. Antibodies to thyroid peroxidase arise spontaneously with age in NOD.H-2h4 mice and appear after thyroglobulin antibodies. *Endocrinology* 2010-09-01 [PMID: 20573721]



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Products Related to NBP1-97765

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00007173-P01-2ug	Recombinant Human Thyroid Peroxidase GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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