

Product datasheet for **AP31571PU-N**

Thyroid Peroxidase (TPO) (C-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Peptide ELISA: 1/32000 (Detection Limit). Western blot: 0.1-0.3 µg/ml. Approx 110kDa band observed in Human Thyroid Gland lysates (calculated MW of 103kDa according to NP_000538.3). Immunohistochemistry on Paraffin Sections: 5-10 µg/ml. In paraffin embedded Human Thyroid Gland shows textured staining in the cytoplasm of epithelial cells.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_000538.3; NP_783650.1; NP_783652.1; NP_783653.1.
Specificity:	This antibody is expected to recognize all reported isoforms of Thyroid Peroxidase (NP_000538.3; NP_783650.1; NP_783652.1; NP_783653.1).
Formulation:	Tris saline, pH~7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thyroid peroxidase
Database Link:	Entrez Gene 7173 Human P07202



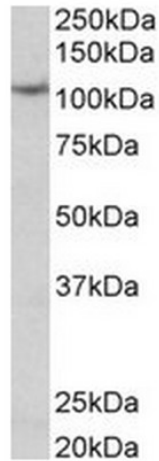
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Background:

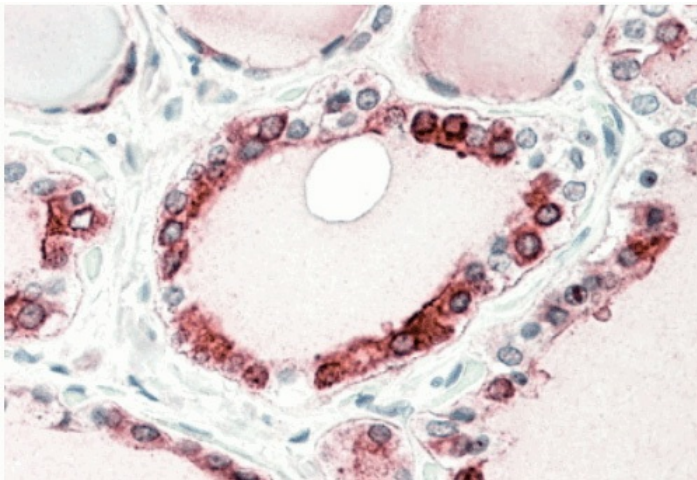
Thyroid peroxidase (TPO) is an enzyme expressed in the thyroid gland which is necessary for the production of thyroid hormones such as thyroxine. Congenital hypothyroidism and congenital goiter are both associated with mutations in the TPO gene.

Synonyms:

MSA; OTTHUMP00000115536; TDH2A; thyroperoxidase; TPX

Product images:


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



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