

thyroid peroxidase Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3605a

Specification

thyroid peroxidase Antibody (internal region) - Product Information

Application	IHC, WB
Primary Accession	P07202
Other Accession	NP_000538.3 , NP_783650.1 , NP_783652.1 , NP_783653.1 , 7173
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	102963

thyroid peroxidase Antibody (internal region) - Additional Information

Gene ID 7173

Other Names

Thyroid peroxidase, TPO, 1.11.1.8, TPO

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

thyroid peroxidase Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

thyroid peroxidase Antibody (internal region) - Protein Information

Name TPO ([HGNC:12015](#))

Function

Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).

Cellular Location

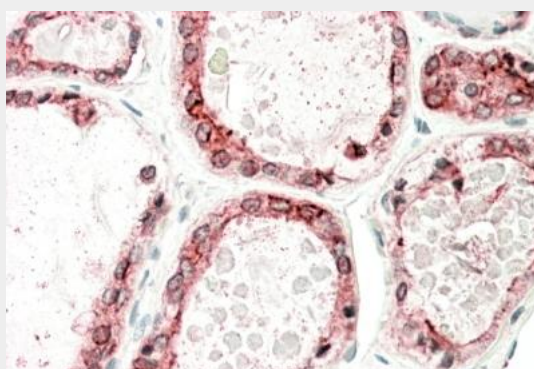
Membrane; Single-pass type I membrane protein.

thyroid peroxidase Antibody (internal region) - Protocols

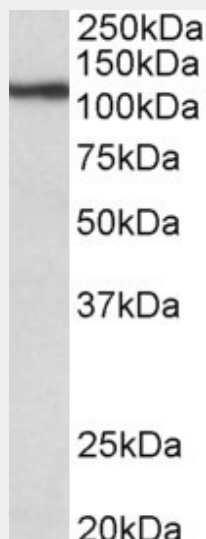
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

thyroid peroxidase Antibody (internal region) - Images



AF3605a (5 $\mu\text{g/ml}$) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF3605a (0.3 $\mu\text{g/ml}$) staining of Human Thyroid Gland lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

thyroid peroxidase Antibody (internal region) - Background

This antibody is expected to recognize reported isoforms a (NP_000538.3) and e (NP_783653.1).

thyroid peroxidase Antibody (internal region) - References

Antibodies to thyroid peroxidase arise spontaneously with age in NOD.H-2h4 mice and appear after thyroglobulin antibodies. Chen CR, Hamidi S, Braley-Mullen H, Nagayama Y, Bresee C, Aliesky HA, Rapoport B, McLachlan SM. *Endocrinology*. 2010 Sep;151(9):4583-93. PMID: 20573721