

Anti-Thyroid Peroxidase Antibody
Catalog # AP54139**Specification****Anti-Thyroid Peroxidase Antibody - Product Information**

Application	IHC
Primary Accession	P07202
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	102963

Anti-Thyroid Peroxidase Antibody - Additional Information**Gene ID** 7173**Other Names**

Thyroid peroxidase; TPO

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within human Thyroid Peroxidase. The exact sequence is proprietary.

Dilution

IHC~~1:100~500

Format

Mouse IgG2b. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-Thyroid Peroxidase Antibody - 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

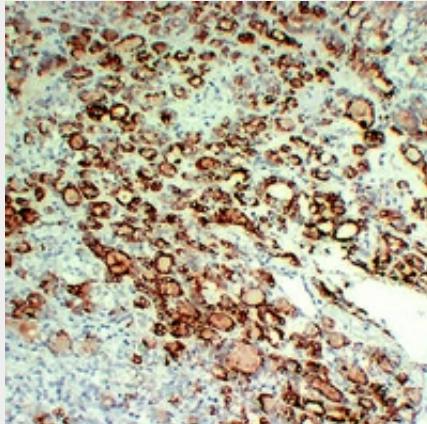
Membrane; Single-pass type I membrane protein.

Anti-Thyroid Peroxidase Antibody - Protocols

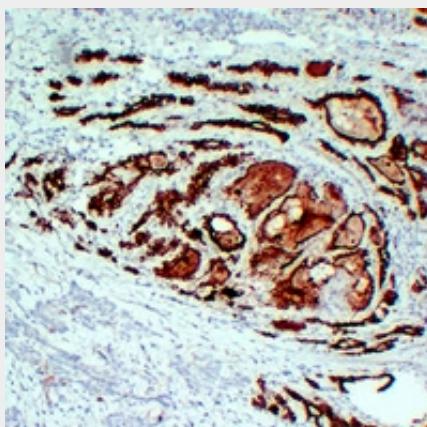
Provided below are standard protocols that you may find useful for product applications.

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

Anti-Thyroid Peroxidase Antibody - Images



Immunohistochemical analysis of Thyroid Peroxidase staining in human follicular thyroid carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of Thyroid Peroxidase staining in human papillary thyroid carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-Thyroid Peroxidase Antibody - Background

Mouse monoclonal antibody to Thyroid Peroxidase