

## Anti-Thyroid Peroxidase Antibody Catalog # AP54139

### Specification

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#### Anti-Thyroid Peroxidase Antibody - Product Information

Application	IF
Primary Accession	<a href="#">P07202</a>
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

Recognizes endogenous levels of Thyroid Peroxidase protein.

##### 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.

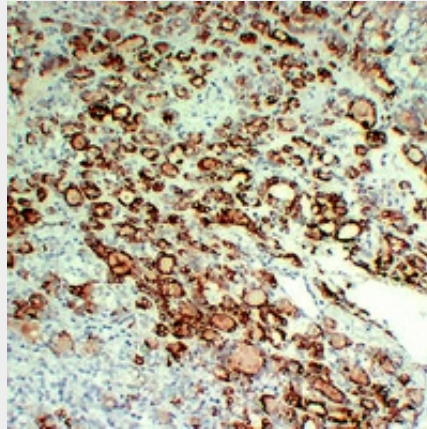
#### Anti-Thyroid Peroxidase Antibody - Protocols

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

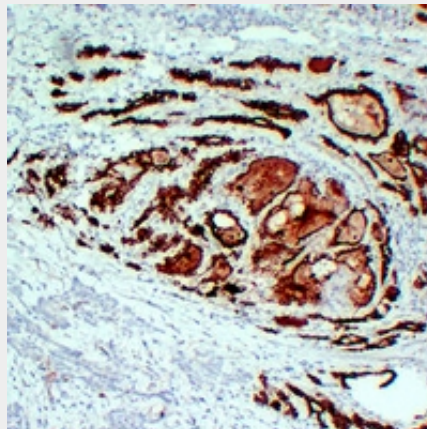
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [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