

# Thyroid Peroxidase Rabbit mAb

Catalog No.: A19547 **Recombinant**

## Basic Information

### Observed MW

**Calculated MW**  
103kDa

**Category**  
Primary antibody

**Applications**  
ELISA, IHC-P

**Cross-Reactivity**  
Human, Mouse, Rat

**CloneNo number**  
ARC2170

## Background

This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mutations in this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but the full-length nature of some variants has not been determined.

## Recommended Dilutions

IHC-P 1:50 - 1:200

## Immunogen Information

Gene ID	Swiss Prot
7173	P07202

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Thyroid Peroxidase (P07202).

### Synonyms

MSA; TPX; TDH2A; Thyroid Peroxidase

## Contact

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## Product Information

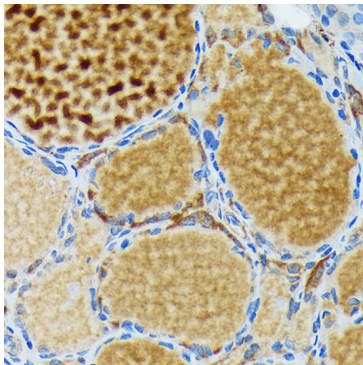
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

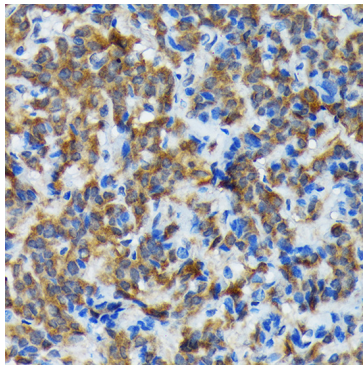
Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

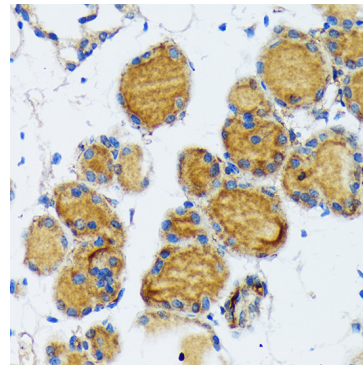
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Immunohistochemistry analysis of paraffin-embedded Rat thyroid using Thyroid Peroxidase Rabbit mAb (A19547) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using Thyroid Peroxidase Rabbit mAb (A19547) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse thyroid using Thyroid Peroxidase Rabbit mAb (A19547) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.