

# Thyroid Peroxidase Rabbit mAb

Catalog No.: A19547 **Recombinant**

## Basic Information

### Observed MW

**Calculated MW**  
103kDa

**Category**  
Primary antibody

**Applications**  
IHC-P,ELISA

**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

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

<b>Gene ID</b> 7173	<b>Swiss Prot</b> P07202
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**Immunogen**  
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**  
MSA; TPX; TDH2A; Thyroid Peroxidase

## Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

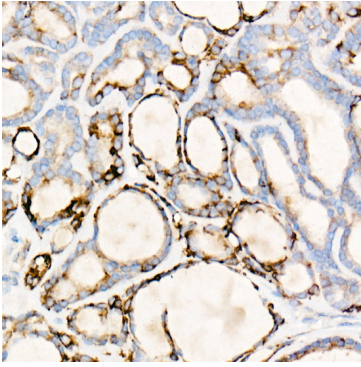
## Product Information

<b>Source</b> Rabbit	<b>Isotype</b> IgG	<b>Purification</b> Affinity purification
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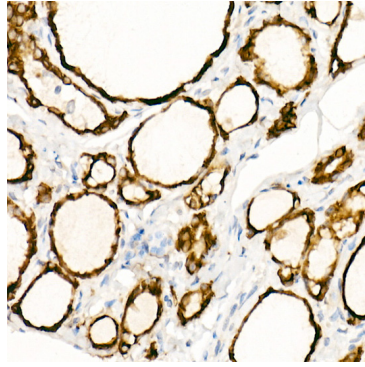
**Storage**  
Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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



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