

**Product Name: Thyroglobulin (17M7) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe18909**

---

## Summary

<b>Production Name</b>	Thyroglobulin (17M7) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	TG
<b>Alternative Names</b>	AITD3; hTG; TDH3; Tg; TGN; Thyroglobulin;
<b>Gene ID</b>	7038.0
<b>SwissProt ID</b>	P01266.

## Application

<b>Dilution Ratio</b>	WB 1:1000-1:5000
<b>Molecular Weight</b>	305kDa

**Product Name: Thyroglobulin (17M7) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe18909**

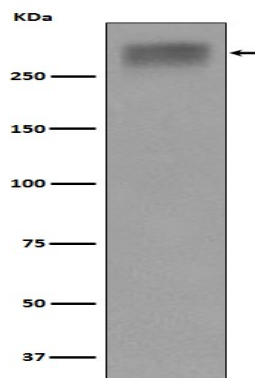
---

## Background

Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). Acts as a substrate for the production of iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3) (PubMed: [32025030](http://www.uniprot.org/citations/32025030), PubMed: [17532758](http://www.uniprot.org/citations/17532758)). The synthesis of T3 and T4 involves iodination of selected tyrosine residues of TG/thyroglobulin followed by their oxidative coupling in the thyroid follicle lumen (PubMed: [32025030](http://www.uniprot.org/citations/32025030)). Following TG re-internalization and lysosomal-mediated proteolysis, T3 and T4 are released from the polypeptide backbone leading to their secretion into the bloodstream (PubMed: [32025030](http://www.uniprot.org/citations/32025030)). One dimer produces 7 thyroid hormone molecules (PubMed: [32025030](http://www.uniprot.org/citations/32025030)).

## Research Area

## Image Data



Western blot analysis of Thyroglobulin expression in Human thyroid lysate.

## Note

For research use only.