

**Product Name: Thyroglobulin (18M5) Rabbit
Monoclonal Antibody
Catalog #: AMRe18910**

Summary

Production Name	Thyroglobulin (18M5) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	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.
Purification	Affinity purification

Immunogen

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

Application

Dilution Ratio	WB 1:1000-1:5000
Molecular Weight	305kDa

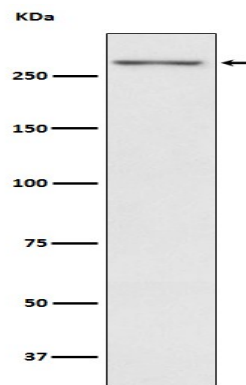
**Product Name: Thyroglobulin (18M5) Rabbit
Monoclonal Antibody
Catalog #: AMRe18910**

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.