

Product Name: Thyroglobulin (4G11) Rabbit Monoclonal Antibody
Catalog #: AMRe18911

Summary

| | |
|------------------------|---|
| Production Name | Thyroglobulin (4G11) Rabbit Monoclonal Antibody |
| Description | Rabbit Monoclonal Antibody |
| Host | Rabbit |
| Application | WB,ELISA |
| Reactivity | Human,Mouse,Rat |

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 |

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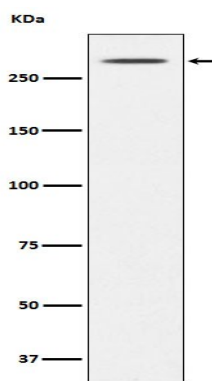


Background

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 Mouse thyroid lysate.

Note

For research use only.