

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

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
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

Application

Dilution Ratio	WB 1:2000-1:20000,IHC 1:200-1:500
Molecular Weight	305kDa

Antigen Information

Gene Name	TG
Alternative Names	AITD3; hTG; TDH3; Tg; TGN; Thyroglobulin;
Gene ID	7038.0
SwissProt ID	P01266
Immunogen	A synthetic peptide of human Thyroglobulin

Background

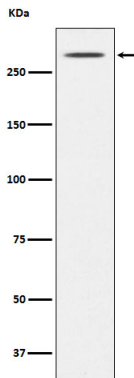
Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). Acts as a substrate for the production of

iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3) (PubMed:32025030, PubMed: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). 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). One dimer produces 7 thyroid hormone molecules (PubMed:32025030).

Research Area

Autoimmune thyroid disease;

Image Data



Western blot analysis of Thyroglobulin expression in Mouse thyroid lysate.