

Anti-TG / Thyroglobulin Antibody (clone 2H11)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17384**Specification**

Anti-TG / Thyroglobulin Antibody (clone 2H11) - Product Information

Application	IHC-P
Primary Accession	P01266
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Calculated MW	304790

Anti-TG / Thyroglobulin Antibody (clone 2H11) - Additional Information**Gene ID** 7038

Alias Symbol	TG
Other Names	
TG, AITD3, TDH3, Thyroglobulin, TGN	

Target/Specificity
Human TG / Thyroglobulin**Reconstitution & Storage**
PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.**Precautions**
Anti-TG / Thyroglobulin Antibody (clone 2H11) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-TG / Thyroglobulin Antibody (clone 2H11) - Protein Information****Name** TG ([HGNC:11764](#))**Function**
Acts as a substrate for the production of iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3) (PubMed:<http://www.uniprot.org/citations/17532758> target="_blank">17532758, PubMed:<http://www.uniprot.org/citations/32025030> target="_blank">32025030). 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:<http://www.uniprot.org/citations/32025030> target="_blank">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:<http://www.uniprot.org/citations/32025030> target="_blank">32025030). One dimer produces 7 thyroid hormone molecules (PubMed:<http://www.uniprot.org/citations/32025030> target="_blank">32025030).

href="http://www.uniprot.org/citations/32025030" target="_blank">32025030).

Cellular Location

Secreted. Note=Secreted into the thyroid follicle lumen (PubMed:19509106). Localizes to colloid globules, a structure formed in the thyroid follicle lumen consisting of cross-linked TG arranged in concentric layers (PubMed:11082042, PubMed:8626858).

Tissue Location

Specifically expressed in the thyroid gland.

Anti-TG / Thyroglobulin Antibody (clone 2H11) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TG / Thyroglobulin Antibody (clone 2H11) - Images